SAMSUNG

LED TV
Installation manual

imagine the possibilities

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your product at

www.samsung.com/register

Model _____ Serial No. _____

Introduction

This TV has functionality that lets it interact with a set-back box (SBB/STB) and with other TVs in a computer-controlled system for hotels and other hospitality businesses.

Interactive : When the TV is powered-up initially, it sends a command to identify the connected SBB/STB. If it identifies the SBB/STB, the TV switches to ONLINE mode which gives full control of the TV to the SBB/STB.
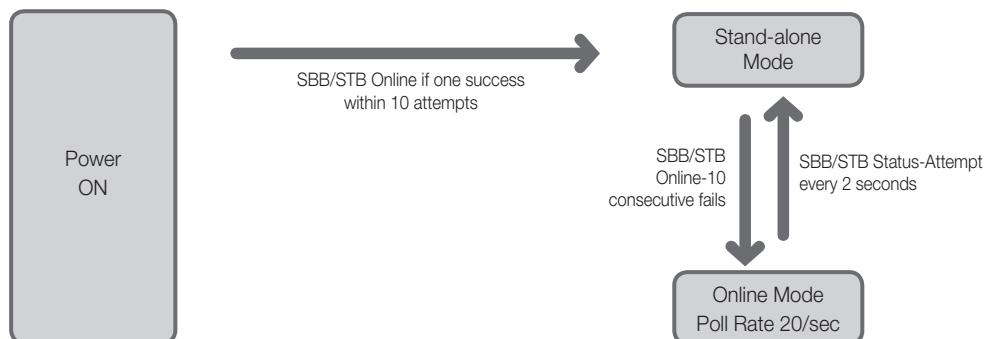
When the TV is in ONLINE mode, it stops accepting IR (Samsung remote) commands and acts according to the interface protocol.

Stand-Alone: If you are not using an SBB/STB and the TV cannot or does not identify an SBB/STB, you should switch the TV to STAND-ALONE mode with restricted operation.

Operational Modes

When this TV is in Hotel mode and is operated with an SBB/STB, it is in one of two states: ONLINE or STAND-ALONE

- In the STAND-ALONE state, the TV will act as a Hotel TV, but without active communication. This is to prevent guests from trying to cheat the system by disconnecting the SBB/STB.

Power ON

SBB/STB Online if one success within 10 attempts

Stand-alone Mode

SBB/STB Online-10 consecutive fails

SBB/STB Status-Attempt every 2 seconds

Online Mode Poll Rate 20/sec

To set the options for Stand-alone or Interactive (Online) mode, refer to pages 19-23 (Setting the hotel option data : Menu Items.)
- You can restrict all (or some) operations to prevent guests from "cheating" the TV system.
- You can can set Volume limits and lock or unlock the Panel buttons.

Still image warning

Avoid displaying still images (such as jpeg picture files) or still image elements (such as TV channel logos, panorama or 4:3 format images, stock or news bars or crawls) on the screen. Displaying still pictures continually can cause uneven screen wear, which will affect image quality. To reduce the chance that this effect will occur, please follow the recommendations below:
- Avoid displaying the same TV channel for long periods.
- Always try to display a full screen image.
- Reduce brightness and contrast to help to prevent the occurrence of after-images.
- Use all TV features designed to reduce image retention and screen burn-in. Refer to the proper user manual section for details.
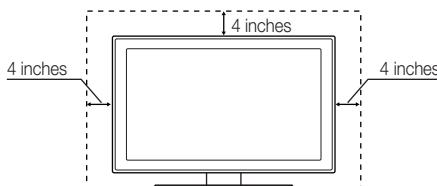
Ensuring Proper Ventilation

When you install the TV, maintain the distances shown below between the TV and other objects ((walls, cabintet sides, etc.) to ensure proper ventilation. Failing to do so may result in a fire or problems with the TV caused by an increase in its internal temperature.
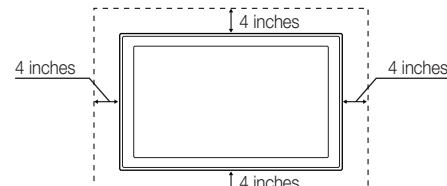
✎ When using a stand or wall-mount, use parts provided by Samsung Electronics only.
- If you use parts provided by another manufacturer, it may cause a problem with the product or cause the product to fall, leading to serioius injury.

Installation with a stand.	Installation with a wall-mount.

4 inches

4 inches   4 inches

4 inches

4 inches   4 inches

4 inches

Additional Information

✎ The appearance of the TV and its accessories may differ from the illustrations in this manual, depending on the TV.

✎ Be careful when you touch the TV if it is on or has been on for a period of time. Some parts can be hot.

Contents

Symbols Used in this Manual

TOOLS ⤶

Indicates that you can press the **TOOLS** button on the remote control to use this function.

Note

One-Touch Button

Accessories

✎ Please make sure the following items are included with your LED TV. If any items are missing, contact your dealer.

✎ The items' color and shape may vary, depending on the model.

✎ The parts for the stand are listed under Stand Components on the following page.

- Remote Control (AA59-00817A) & Batteries (AAA x 2)
- Owner's Instructions
- Safety Guide / Quick Setup Guide
  (Not available in all locations)
- Hotel Mount Kit
- Power Cord
- Data Cable (BN39-00865B)

4 EA (M4 X L12)
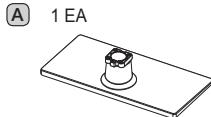
- Security Screws
  – Requires 5/32" tamper resistant hex wrench. (Sold separately)
- HOLDER RING (46" (2ea) / 55" (4ea))

Installing the LED TV Stand
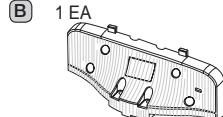
The 32" and larger LED TVs have swivel stands. You can set these stands so that the TVs swivel 20 degrees left and right. 60 degrees left and right, or 90 degrees left and right. See page 7.

Components

When installing the stand, use the provided components and parts.

Ⓐ 1 EA

Ⓑ 1 EA
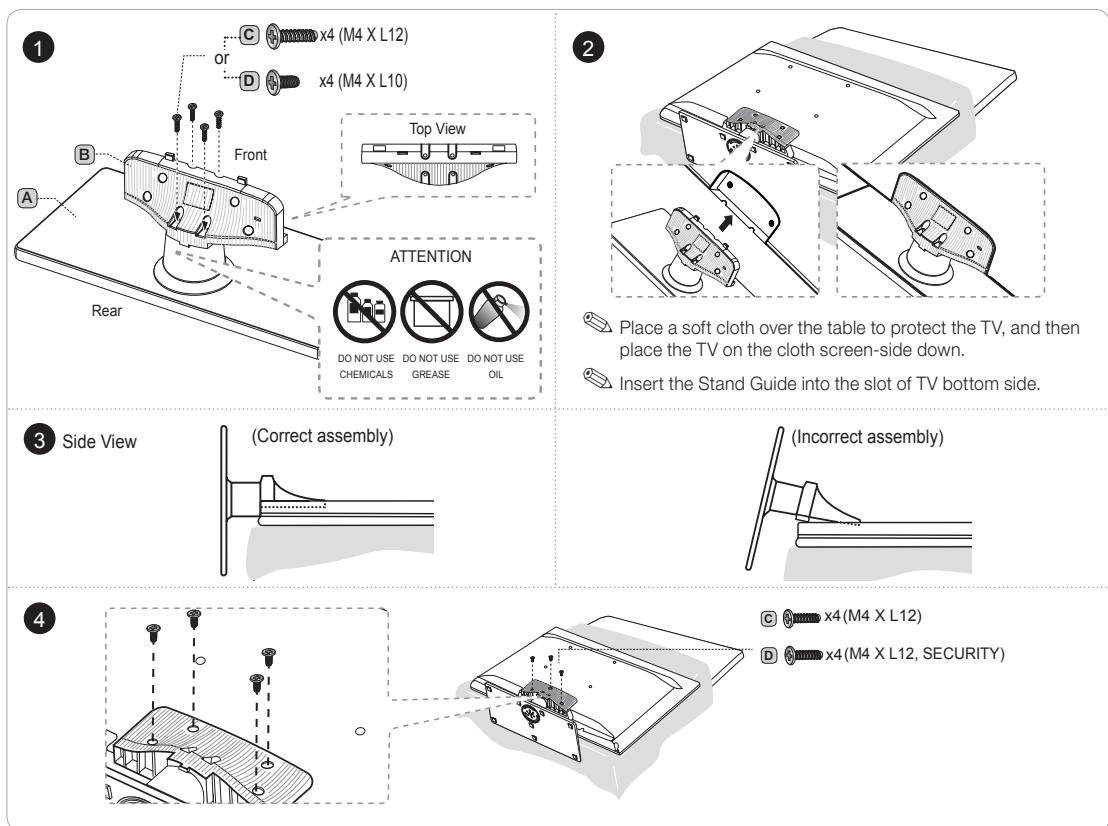
Ⓒ x8 (M4 X L12)

Ⓓ x8 (M4 X L10)

• Stand
(Stand shape is depending on the model)

• Guide Stand

• Screws

❶ Ⓒ x4 (M4 X L12)

or

Ⓓ x4 (M4 X L10)

Top View

Ⓑ Front

Ⓐ

Rear

ATTENTION

DO NOT USE CHEMICALS   DO NOT USE GREASE   DO NOT USE OIL

❷

✎ Place a soft cloth over the table to protect the TV, and then place the TV on the cloth screen-side down.

✎ Insert the Stand Guide into the slot of TV bottom side.

❸ Side View   (Correct assembly)   (Incorrect assembly)

❹ Ⓒ x4 (M4 X L12)

Ⓓ x4 (M4 X L12, SECURITY)

✎ NOTE

• Make sure to distinguish between the front and back of the Stand and Stand Guide when connecting them.
• Make sure that at least two people lift and move the TV.
• When connecting the stand, lay the product down on a soft surface, with the screen facing down, and then fasten the screws.

Hotel Mount Kit

Short Bolt (2EA)	Long Bolt (2EA)	Nut (2EA)	Washer (2EA)
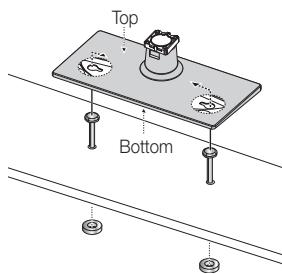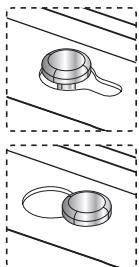
Bolt + Nut

Top

Bottom

Affix the stand to a flat surface such as a dresser top, desk top, or entertainment center as shown.
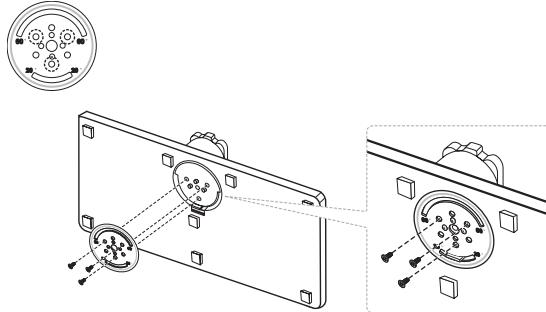
Assembling the swivel (32 inch TVs or larger)

⚠ **WARNING:** If you configure the TV to swivel, you must attach it securely to the floor, a desk, a dresser top, etc. as described in the installation instructions.

The 32" and larger LED TVs have swivel stands. You can configure these stands so that the TVs swivel 20 degrees left and right, 60 degrees left and right, or 90 degrees left and right using the BRACKET HOLDER SWIVEL.
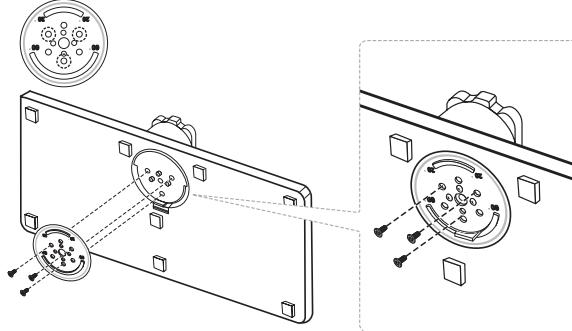
### 20° swivel

To configure the TV so that it swivels 20° left and right, insert the prong on the bottom of the stand through the curved hole in the Bracket Holder Swivel marked 20°. Then, fix the Bracket Holder Swivel to the stand using the three supplied screws as shown to the left.
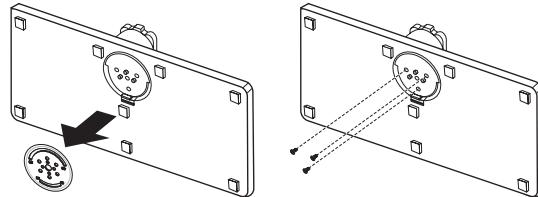
60° swivel

To configure the TV so that it swivels 60° left and right, insert the prong on the bottom of the stand through the curved hole in the Bracket Holder Swivel marked 60°. Then, fix the Bracket Holder Swivel to the stand using the three supplied screws as shown to the left.

### 90° swivel
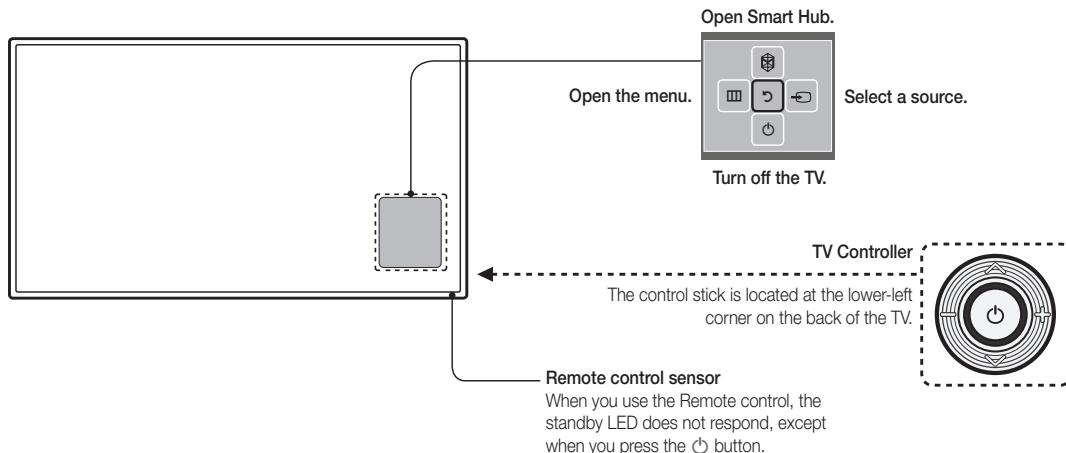
To configure the TV so that it swivels 90° left and right, remove the Bracket Holder Swivel, and then screw the three supplied screws into the stand as shown to the left.

Using the TV's Controller

✎ The color and shape of the TV Controller may vary depending on the model.

✎ The TV's Controller, a small joy stick like button on the bottom right side of the TV, lets you control the TV without the remote control.

Open Smart Hub.

Open the menu.   Select a source.

Turn off the TV.

TV Controller
The control stick is located at the lower-left corner on the back of the TV.

Remote control sensor
When you use the Remote control, the standby LED does not respond, except when you press the ⏻ button.
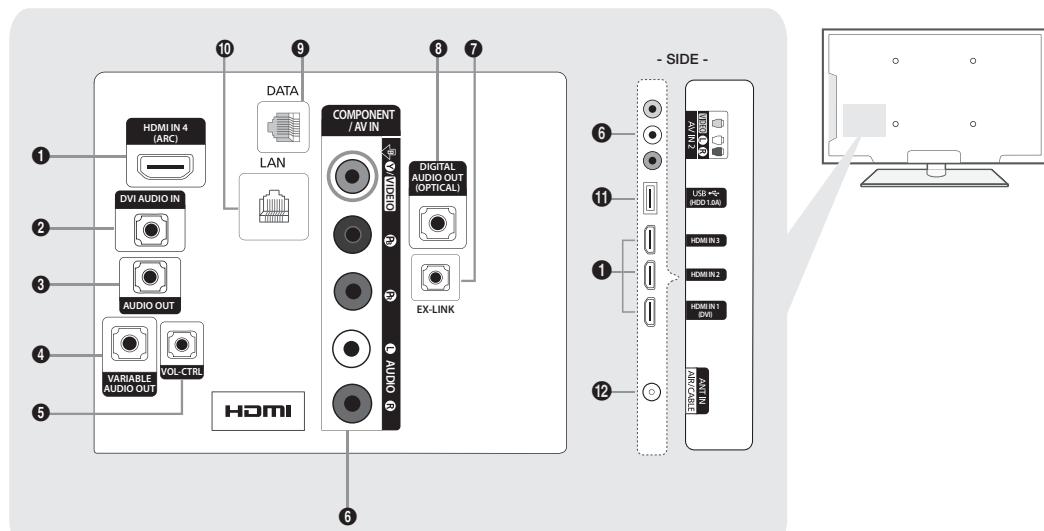
Power on	Turn the TV on by pressing the Controller when the TV is in standby mode.
Adjusting the volume	Adjust the volume by moving the Controller from side to side when the power is on.
Selecting a channel	Select a channel by moving the Controller backwards and forwards when the power is on.
Using the Function menu	To view and use the Function menu, press and release the Controller when the power is on. To close the Function menu, press and release the Controller again.
Selecting the MENU (▥)	With the Function menu visible, select the **MENU (▥)** by moving the Controller to the left. The OSD (On Screen Display) Menu appears. Select an option by moving the Controller to the right. Move the Controller to the right or left, or backwards and forwards to make additional selections. To change a parameter, select the it, and then press the Controller.
Selecting SMART HUB (◈)	With the Function menu visible, select **SMART HUB (◈)** by moving the Controller upwards. The **SMART HUB** main screen appears. Select an application by moving the Controller, and then pressing the Controller.
Selecting a Source (⊡)	With the Function menu visible, open the **Source screen (⊡)** by pushing the Controller to the right. The **Source** screen appears. To select a source, move the Controller back and forth. When the source you want is highlighted, press the Controller.
Power Off (⏻)	With the Function menu visible, select **Power Off (⏻)** by pulling the Controller forwards, and then press the Controller.

✎ To close the Menu, **SMART HUB**, or Source, press the Controller for more than 1 second.

Standby mode

Your TV enters Standby mode when you turn it off, and continues to consume a small amount of electric power. To be safe and to decrease power consumption, do not leave your TV in standby mode for long periods of time (when you are away on vacation, for example). It is best to unplug the power cord.

✎ Whenever you connect an external device to your TV, make sure that power on the TV and the device is turned off.

✎ When connecting an external device, match the color of the connection terminal to the cable.

❶ **HDMI IN 1(DVI), 2, 3, 4 (ARC)**: Connects to the HDMI jack of a device with an HDMI output.

> ✎ No sound connection is needed for an HDMI to HDMI connection. HDMI connections carry both audio and video.

> ✎ Use the **HDMI IN 1(DVI)** jack for a DVI connection to an external device. Use a DVI to HDMI cable or DVI-HDMI adapter (DVI to HDMI) for the video connection and the **PC/DVI AUDIO IN** jacks for audio.

❷ **DVI AUDIO IN**: Connects to the audio output jack on your PC.

❸ **AUDIO OUT**: Connects to the audio input jacks on an Amplifier/Home Theater.

❹ **VARIABLE AUDIO OUT:** Used for the audio output to the Bathroom speaker. Connect the Bathroom Wall Box and the Variable port (RCA).

❺ **VOL-CTRL**: Used to control the volume of the Bathroom speaker. Connect the Bathroom Wall Box and the VOLCTRL port.

❻ **COMPONENT IN / AV IN / AV IN 2**

– Use to connect to Component video / audio devices such as DVD players and AV (Composite) devices such as VCRs.

– Connect audio cables to "R-AUDIO-L" on your TV and the other ends to corresponding audio out jacks on A/V or Component devices.

– The **COMPONENT IN** jack is also used as the **VIDEO 1** jack.

– Connect component video cables (not supplied) to the component jacks ("P$_R$", "P$_B$", "Y") on the rear of your TV and the other ends to corresponding component video out jacks on a DVD player. Match the colors on the jacks and cables.

– If you want to connect both a Set-Top Box and a DVD player, you should connect the Set-Top Box to the DVD and connect the DVD to the component jacks ("PR", "PB", "Y") on your TV.

– The PR, PB and Y jacks on your component devices (DVD) are sometimes labeled Y, B-Y and R-Y or Y, Cb and Cr.

– For AV devices, connect RCA audio cables (not supplied) to "R - AUDIO - L" on the rear of the TV set and the other ends to corresponding audio out jacks on an external device.

– When your are connecting a composite (AV) device to **AV IN1 [Y/Video]**, connect the video cable (Yellow) to the **AV IN1 [Y/VIDEO]** jack (Green/Yellow) .
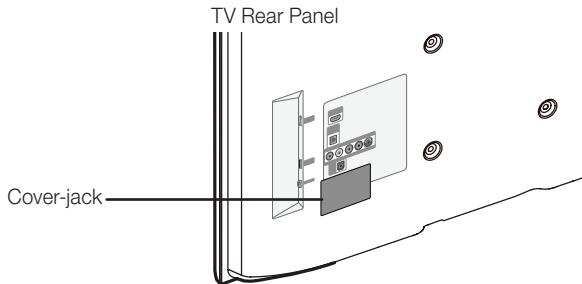
❼ **EX-LINK**: Connect this jack to the jack on the optional RJP (Remote Jack Pack). This will allow you to connect external devices (Camcoder, PC, DVD players etc.) easily.

❽ **DIGITAL AUDIO OUT (OPTICAL):** Connects to a Digital Audio component.

❾ **DATA**
   – Used to support data communication between the TV and the SBB or STB.
   – Connects using RJ-12 TV type plugs.

❿ **LAN**: Connect to a wired LAN using CAT 6 or CAT 7 cable.

⓫ **USB (HDD/1.0A) / CLONING**
   – Connector for software upgrades and Media Play, etc.
   – Service connection.

⓬ **ANT IN (AIR/CABLE)**
   – To view television channels correctly, the TV must receive a signal from one of the following sources:
   – An outdoor antenna / A cable television system / A satellite receiver

Caution of the cover-jack

⚠ **CAUTION**

The cover-jack is for use by qualified service personnel only.
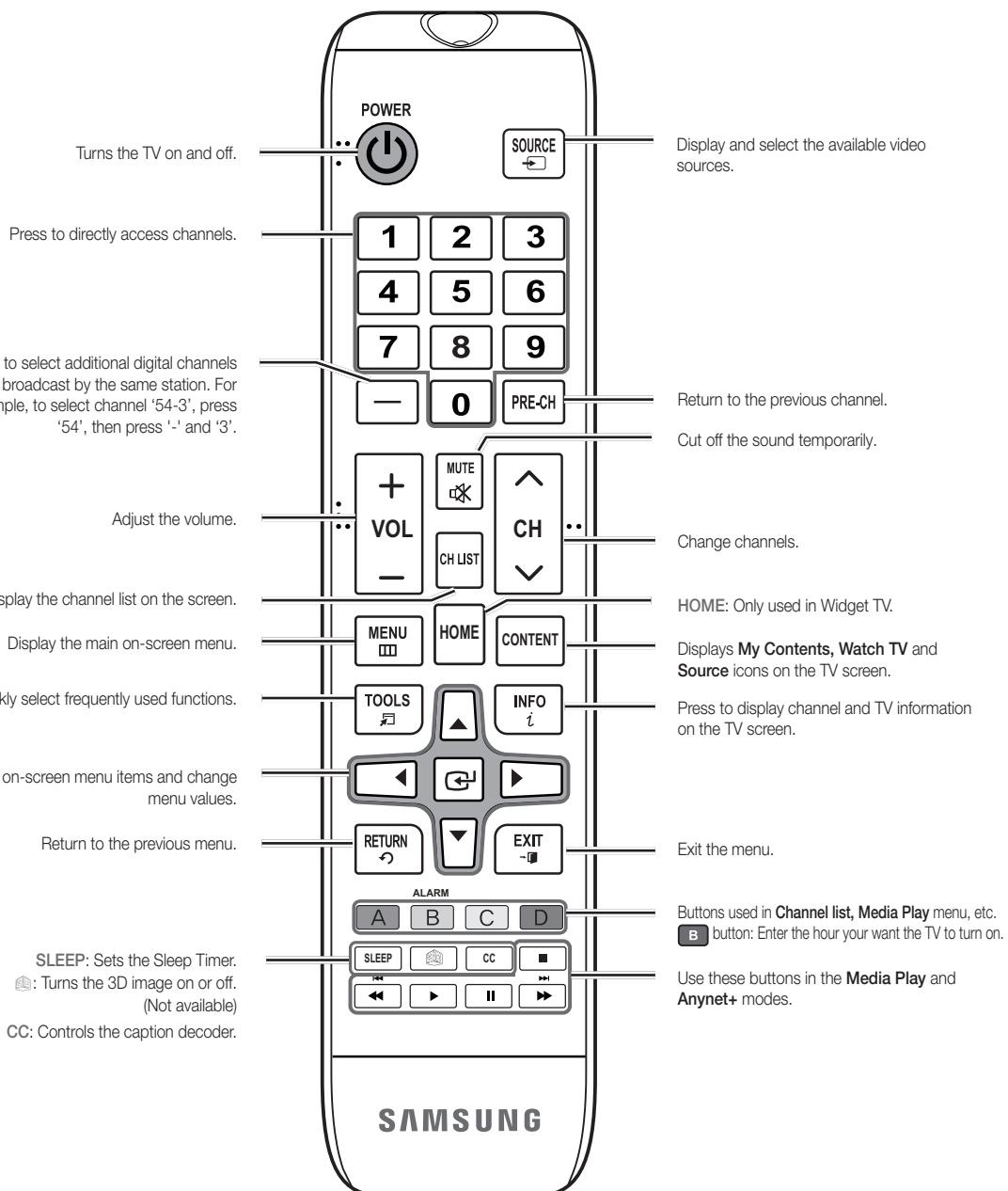
To reduce the risk of electric shock or fire hazard, do not use the cover jack, unless you are qualified to do so.

TV Rear Panel

Cover-jack

✎ The rear panel may differ depending on the model.
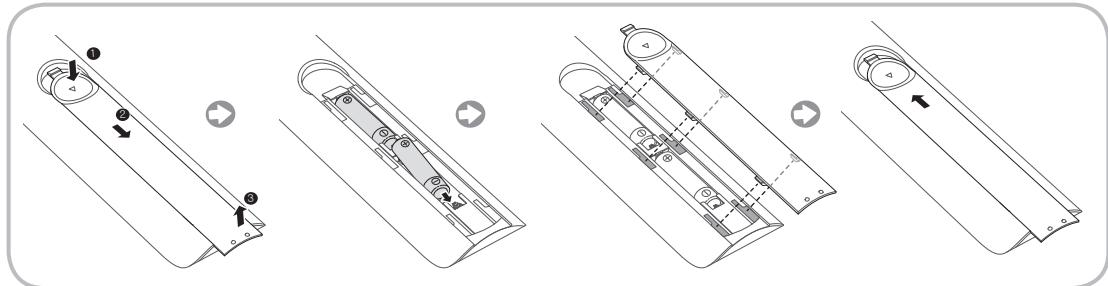
✎ This remote control has Braille points on the Power, Channel, and Volume buttons and can be used by visually impaired customers.

Turns the TV on and off.

Display and select the available video sources.

Press to directly access channels.

Press to select additional digital channels being broadcast by the same station. For example, to select channel '54-3', press '54', then press '-' and '3'.

Return to the previous channel.

Cut off the sound temporarily.

Adjust the volume.

Change channels.

Display the channel list on the screen.

HOME: Only used in Widget TV.

Display the main on-screen menu.

Displays **My Contents, Watch TV** and **Source** icons on the TV screen.

Quickly select frequently used functions.

Press to display channel and TV information on the TV screen.

Select on-screen menu items and change menu values.

Return to the previous menu.

Exit the menu.

Buttons used in **Channel list, Media Play** menu, etc. **B** button: Enter the hour your want the TV to turn on.

SLEEP: Sets the Sleep Timer.
: Turns the 3D image on or off. (Not available)
CC: Controls the caption decoder.

Use these buttons in the **Media Play** and **Anynet+** modes.

SAMSUNG

English **11**

Installing batteries (Battery size: AAA)

Match the polarity of the batteries to the symbols in the battery compartment.

After you have installed the batteries, use a screwdriver to screw in the screw that holds the battery cover closed.

✎ NOTE

- Use the remote control within 23~33 feet of the TV.
- Bright light may affect the performance of the remote control. Avoid using near fluorescent lights or neon signs.
- The color and shape of the remote may vary depending on the model.
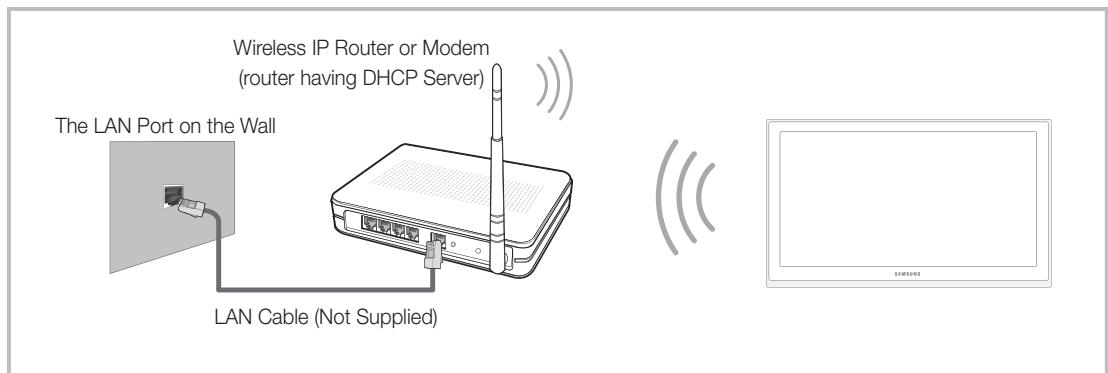
Connecting to the Network

You can set up your TV so that it can access the SMART TV applications through your local area network (LAN) using a wired or wireless connection.

✎ After you have "physically" connected your TV to your network, you must configure the network connection to complete the process. You can configure the connection during the Initial Setup process (see page 31) or after the Initial Setup process, through the TV's menu.

Network Connection - Wireless

You can connect your TV to your local area network (LAN) through a standard wireless router or modem.

Wireless IP Router or Modem
(router having DHCP Server)

The LAN Port on the Wall

LAN Cable (Not Supplied)

This TV supports the IEEE 802.11a/b/g and n communication protocols. Samsung recommends using IEEE 802.11n. When you play video over a network connection, the video may not play smoothly.

Most wireless network systems incorporate a security system that requires devices that access the network through an access point or AP (typically a wireless IP Sharer - router or modem) to transmit an encrypted security code called an access key.
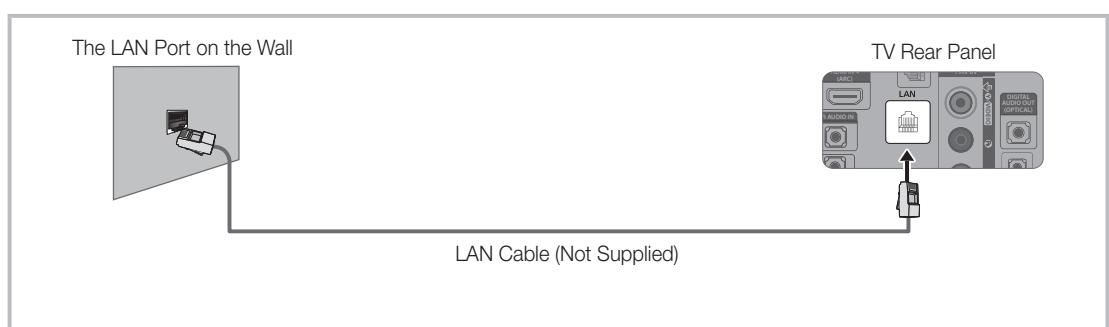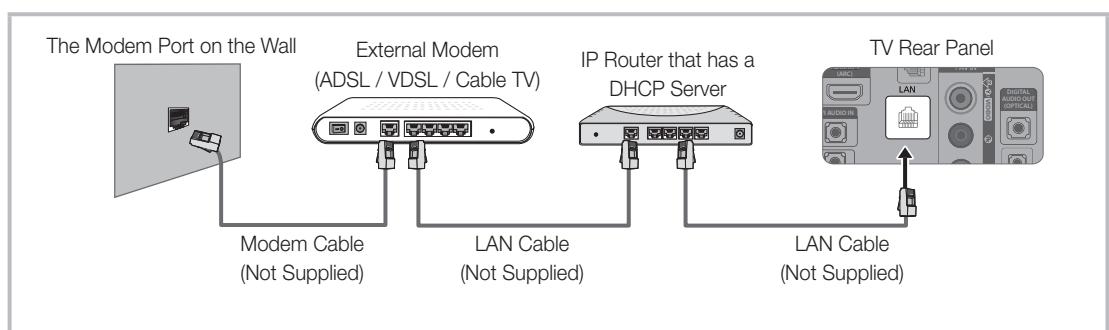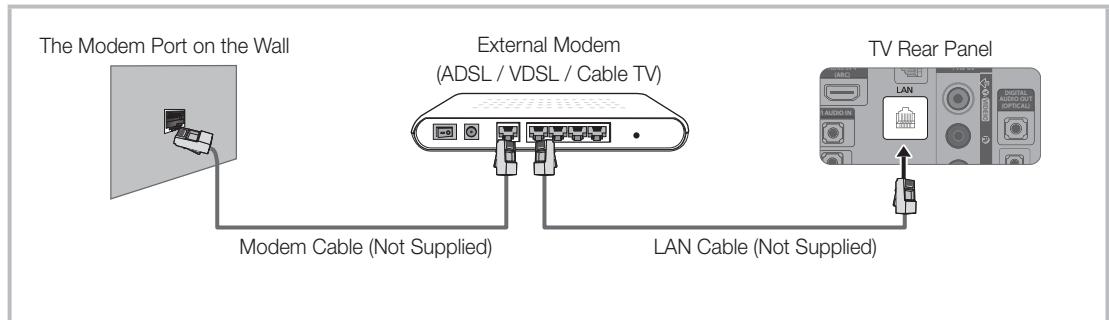
Your TV is compatible with the following security protocols:

- Authentication Mode: OPEN, SHARED, WPAPSK, WPA2PSK
- Encryption Type: WEP, TKIP, AES

In compliance with the newest Wi-Fi certification specifications, Samsung TVs do not support WEP or TKIP security encryption in networks running in the 802.11n mode.

Network Connection - Wired
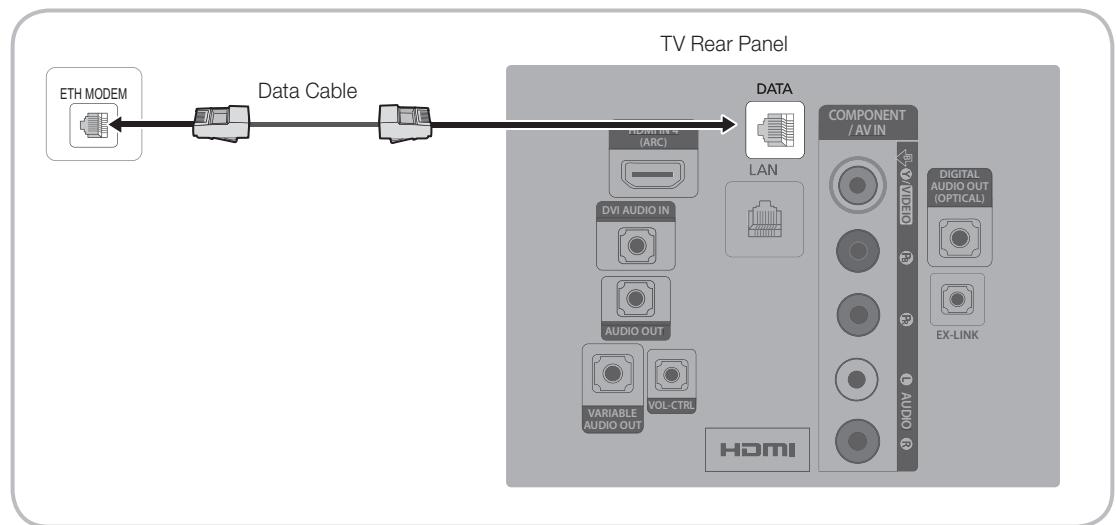
There are three main ways to connect your TV to your network using cable, depending on your network setup. They are illustrated below:

✎ The TV does not support network speeds of 10Mbps or less.

✎ Use Cat 6 or CAT 7 (STP Type*) cable for the connection. (*Shielded Twisted Pair)

TV Rear Panel

Data Cable

ETH MODEM

DATA

HDMI IN 4
(ARC)

LAN

DVI AUDIO IN

AUDIO OUT

VARIABLE
AUDIO OUT

VOL-CTRL

HDMI

COMPONENT
/ AV IN

VIDEO

AUDIO

DIGITAL
AUDIO OUT
(OPTICAL)

EX-LINK
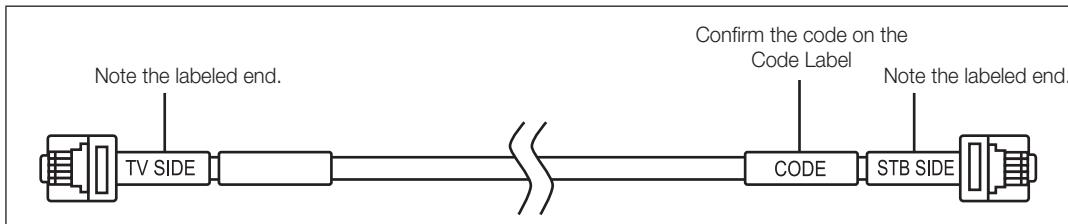
1. Connect the DATA jack of the TV to the ETH MODEM jack of the STB (SBB) with the Data cable.

✎ Data cables are polarized. Make sure you attach the end marked TV Side to the TV and the end marked STB Side to the STB. Also make sure you use the correct data cable for your vendor.

List of Vendors and Compatible Data Cables Supplied with the TV
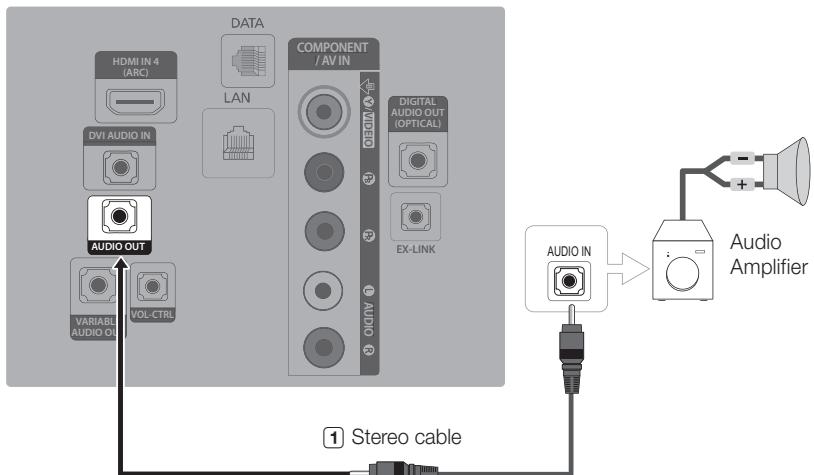
- Confirm you are using the correct data cable for your vendor. Refer to the code label on the data cables.

Vendor	Cable code	Pin assign	Remark
OCC	BN39-00865B		Provided
NXTV	BN39-01011B		
nStreams	BN39-01110A		
MTI	BN39-01011C		LodgeNet MTI Provided

Connecting the Audio Output to an Audio Amplifier

TV Rear Panel

DATA

HDMI IN 4
(ARC)

LAN

COMPONENT
/ AV IN

DVI AUDIO IN

DIGITAL
AUDIO OUT
(OPTICAL)

AUDIO OUT

EX-LINK

VARIABLE
AUDIO OUT

VOL-CTRL

AUDIO

AUDIO IN

Audio
Amplifier
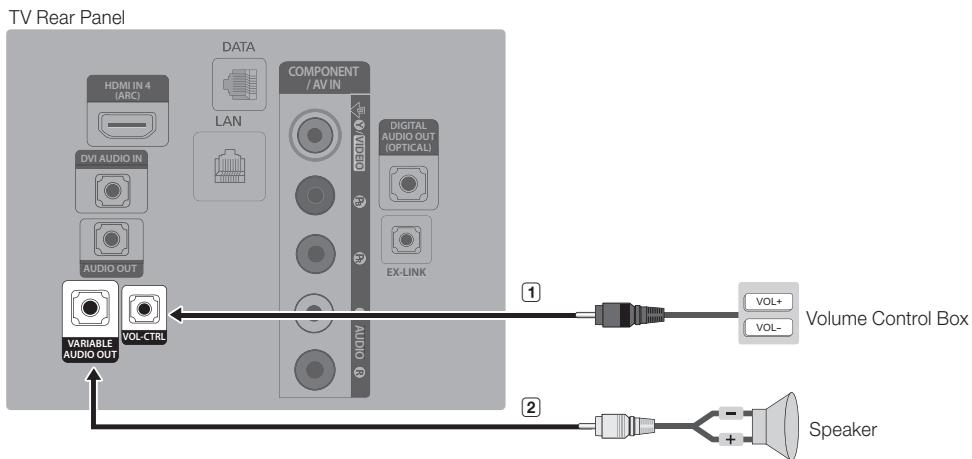
1 Stereo cable

1. Connect the **AUDIO OUT** port of the TV to the Audio In port of an audio amplifier with a stereo cable.
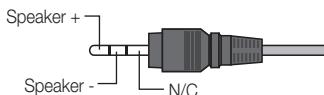
You can connect the Bathroom Speakers in the following manner.

Connecting through the Variable Output (available without an external amplifier)
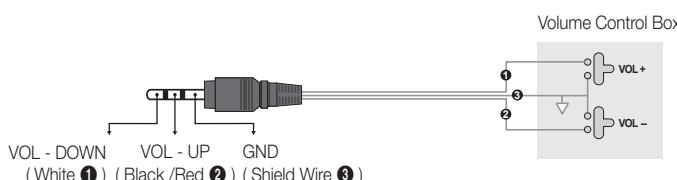
1. Connect the **VARIABLE AUDIO OUT** port of the TV to the Bathroom Wall Speakers of the hotel.

2. Connect the **VOL-CTRL** jack of the TV to the Volume Control Box Switch port on the Bathroom Wall of the hotel.
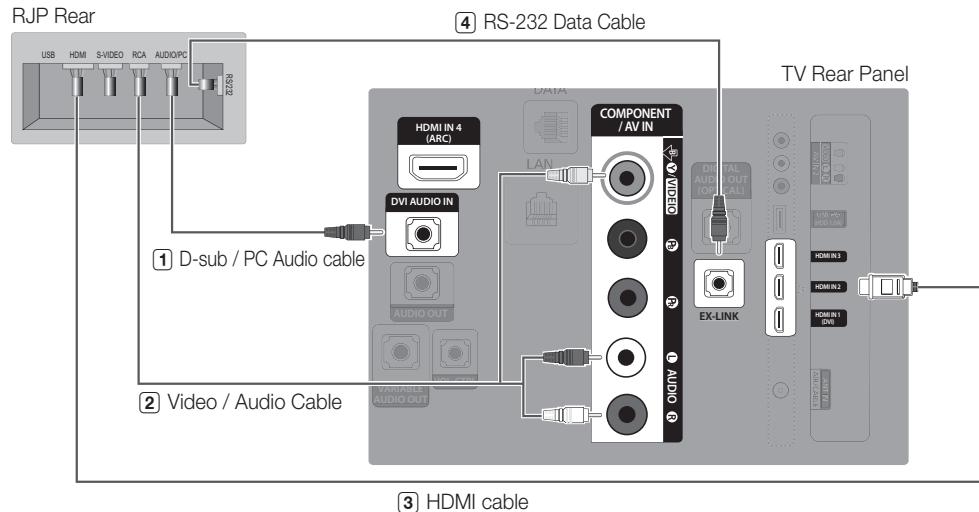
✎ The maximum speaker output is 4W, 8Ω.

✎ The **VARIABLE AUDIO OUT** port supports **MONO** sound out only.

- Installing the Volume Control
  - If you configure the Volume Control Box as shown in the figure, you can control the volume of the bathroom speakers.
  - The jack that connects the Volume Control Box to the TV is a 3.5mm normal Phone jack.
  - Volume Control Box switch is a Tact switch.
    ✎ Setting the Sub AMP Mode
  - 0: Turns the Sub AMP function off (PWM off).
  - 1: Sets the Sub volume according to the main volume control. That is, the sub volume is determined by the Power On Volume, the Min Volume, and the Max Volume values set in the Hotel Mode menu.
  - 2: Determines the volume according to the bathroom control panel setting.
- Variable Output Port Specifications
  - Speaker Wire: Use speaker cable no more than 82 feet (25m) in length.

English **17**

Connecting the RJP (Remote Jack Pack)

Connect the input jacks on the TV to the RJP. The RJP lets guests connect audio and video sources to the TV.

RJP Rear

4 RS-232 Data Cable

TV Rear Panel

USB   HDMI   S-VIDEO   RCA   AUDIO/PC

HDMI IN 4 (ARC)

DVI AUDIO IN

COMPONENT / AV IN

EX-LINK

DIGITAL AUDIO OUT (OPTICAL)

HDMI IN 3

HDMI IN 2

HDMI IN 1 (DVI)

1 D-sub / PC Audio cable

2 Video / Audio Cable

3 HDMI cable

1. Connect the **PC IN / PC/DVI AUDIO IN** port of the TV to the PC/AUDIO port of the RJP.

2. Connect the **AV IN [VIDEO]/[R-AUDIO-L]** port of the TV to the RCA port of the RJP.

3. Connect the **[HDMI]** port of the TV to the HDMI port of the RJP.

4. Connect the **EX-LINK** port of the TV to the RS/232 port of the RJP.

✎ This Samsung TV is compatible with the TeleAdapt TA-7610 RJP only.

- **RJP (Remote Jack Pack):** RJP stands for Remote Jack Pack. The RJP is a hardware module that has different Audio Video inputs (A/V, Audio, PC and HDMI) and corresponding outputs. The corresponding outputs are connected from the RJP to the TV. The RJP communicates with the TV via RS232. A Hot Plug & Play function allows hotel guests to connect an external source to the RJP. The RJP communicates with the TV by sending messages regarding Active/Inactive sources.

  A group of menu items, RJP Priority AV, RJP Priority PC, and RJP Priority HDMI, let you assign numbered priorities to the jacks of the RJP. 1 is the highest priority and 3 is the lowest. When a guest connects external sources to the RJP jacks, the TV will automatically switch between sources based on the priority you have assigned them in the Menu. For example, lets say AV is set to 1 and HDMI to 2. If a guest has attached a device to the HDMI jack, and then plugs a device into the AV jack, the TV automatically switches to the device plugged into the AV jack (the jack with the higher priority). Note that a guest can also switch between devices manually by pushing a button on the RJP.

  ✎ You can connect the RJP to HDMI 1, 2, or 3 or AV 1 or 2.

- The RJP can be returned to the factory default settings by pressing the A/V and HDMI buttons simultaneously for 10 seconds. All LEDs blink 5 times, acknowledging that this has been finished.

- The RJP will automatically turn off any LEDs after 5 minutes to avoid unnecessary light pollution in the hotel room. The LEDs that were turned off will turn on again if the guest touches any of the buttons and the 5 minute timer will restart. If the guest then touches another source button, the TV will change to the selected source and the corresponding LED will be lit.

- After an RJP Reset or a TV Power OFF/ON, it takes approximately 10 seconds for the TV and the RJP to establish communication.

- The following table shows the approximate time in seconds it takes to switch from the TV to an input source, based on assigned or default priorities.

  ✎ Scenario 1: When no inputs are connected.

Source	To Connect
AV	2 Sec
PC	0.7 Sec
HDMI	3.9 Sec

  ✎ Scenario 2: When two or more inputs are connected and an Input source is disconnected and then reconnected.

Source	Disconnect	To Connect	Total
AV	4.5 Sec	2 Sec	6.5 Sec
PC	0.7 Sec	0.7 Sec	1.4 Sec
HDMI	3.9 Sec	3.9 Sec	7.8 Sec

  ✎ An example: If the RJP has all its live sources (AV, PC, and HDMI) connected, AV has been assigned the highest priority, the RJP is in HDMI mode, and a guest removes and reconnects the AV source, the minimum time required to switch to the AV source is 6.5 seconds.

- To connect audio (Ipod or Mp3), Music mode should be ON.
- A/V, PC, and HDMI input sources are supported.

Setting the Hotel Option Data

To let you control how the TV functions when in Hotel mode, the TV has two Hotel mode menus, the Stand-alone mode menu and the Interactive mode menu. The menu items that differ between the menus are listed below.

Items in the Standalone menu only:

- REACH Server update Time
- REACH Update Immediate
- REACH Server Channel
- REACH Server Version

Items in the Interactive menu only:

- SI Vendor
- Lodgenet Remote (If you selected MTI or EBL as your SI Vendor)

All other items appear in both menus.

To access the menus, press **MUTE → 1 → 1 → 9 → ENTER** on your Samsung remote.

After a menu appears, follow these general directions to navigate and change values:

- Use the Up and Down arrow buttons on the standard remote to move from menu item to menu item.
- Press the Enter or Left or Right arrow buttons to select a menu item. The screen displays that menu item only.
- Press the Left or Right arrow button to change a value. The Right arrow button increases numerical values. The Left arrow button decreases numerical values.
- When the screen is displaying one menu item, you can press the Up or Down arrow button to display the next or previous menu item.
- Press the Return button to exit a menu item and return to the Main menu.
- To exit a Hotel mode menu, turn off the TV, and then turn it on again. Any changes you made are saved except changes to SI Vendor. For changes to SI Vendor, you must turn the TV off, wait until the Standby light glows steadily, then unplug the TV, wait for the Standby light to go off, and then plug the TV in again.

Hospitality Mode	Standalone	Network
SI Vendor	OFF	Widget
Power On		Service
Channel		
Menu OSD		
Operation		
Clock		
Music Mode		
External Device		
External Source		
Bathroom Speaker		
Eco Solution		
Logo/Message		
Cloning		
REACH Server		

Above: The Hotel mode menu.

To change menus, follow these steps:

1. Highlight the Hospitality Mode menu item in the top left corner of the menu.

2. Press the left or right arrow button on the Samsung remote. Only the Hospitality Mode menu item is displayed.

3. Press the left or right arrow button to change the Hospitality Mode item from Standalone to Interactive or from Interactive to Standalone.

4. Press the Return or Menu button on the remote. The entire menu re-appears with your selection displayed in the Hospitality Mode field.

✎ After you have set the values in one TV, you can clone those values to multiple TVs. See USB Cloning on page 26.

Menu Items

To Enter this menu: Press the **MUTE → 1 → 1 → 9 → ENTER** buttons in order.

To exit from this menu : Power Off (or Power Off and unplug if you have changed SI Vendor), and then turn on again. Any changes you made are saved.

Menu	Item	initial Value	Description
Hospitality Mode	Hospitality Mode	Standalone	Select the Hospitality mode. • Standalone mode: TV works alone, without an SI STB or SBB • Interactive mode: TV works with an SI STB or SBB
SI Vendor	SI Vendor	OFF	• Interactive mode : Samsung / OCC / MTI / Nstreams / Enseo / Cardinal / Guestek / Seachange / BDC / Innvne • Standalone mode : Smoovie
Power On	Power On Channel EN	User Defined	Set the default values that will be applied when the TV is turned on. • User Defined : Lets you set Power On Channel and Channel Type manually. See Power On Channel and Channel Type below. • Last Saved : If you select this item, when the TV is turned on, it displays the channel it was displaying when it was turned off.
	Power On Channel	3	When the TV is turned on, it switches automatically to this channel when in Stand Alone Hospitality mode.
	Channel Type	CATV	• Select channel band : CATV (analog cable band),
	Power On Volume EN	Last Saved	Set the default volume values which will be applied when the TV is turned on. • User Defined : Lets you set the Power On Volume manually. See Power On Volume below. • Last Saved : When the TV is turned on, it returns to the volume that had been set when the power had been turned off.
	Power On Volume	...	TV will switch on at this Volume Level in Stand Alone Hospitality mode.
	Min Volume	0	Minimum Volume Level user can set in Stand Alone Hospitality mode.
	Max Volume	100	Maximum Volume Level user can set in Stand Alone Hospitality mode.
	Power On Source	TV	Select the input source the TV displays when it is turned on.
	Power On Option	Last Option	Determines the TV's state when power returns after a power failure or after you have unplugged the TV and then plugged it in again. • Last Option: Returns to its last Power state. If it was in Stand-by, it returns to Stand-by. If it was on, it turns on. • Power ON : When the power returns, the TV turns on. • Standby : When the power returns, the TV enters the Standby mode.
Channel	Channel Setup		Gives you direct, immediate access to some of the Channel menu functions on the user Channel menu such as Auto Program, Antenna selection, etc.
	Channel Editor		The Channel Editor lets you edit the channels stored in the TV's memory. Using Channel Editor you can: – Change the channel numbers and names, and sort the channels in your desired channel number order. – Apply the video mute to channels you select. The vido mute blanks out the video from a channel and outputs only the sound while displaying a speaker icon on the screen. The Channel Editor also lets you view information about each channel easily, without your having to display each channel directly.
	Dynamic SI	ON	• ON : Check the DTV Program channel number. DTV channel editor is inaccessible. • OFF : There is no check of the DTV Program channel number. (DTV channel editor is accessible, but additional channel program number update is not supported)
Menu OSD	Picture Menu Lock	OFF	Enable or disable the Picture Menu.
	Menu Display	ON	• ON : Main Menu displays. • OFF : Main Menu does not display.
Operation	Panel Button Lock	Unlock	Turns the front panel (Local key) operations on/off. • Unlock : Unlocks all panel keys • Lock : Locks all panel keys • OnlyPower : Locks all panel keys buttons except the Power • Menu/Source : Locks Menu and Source
Clock	Local Time	Manual	Select the way to update clock data. Use clock data from a DTV channel to set the clock automatically or set the clock manually when the TV is in stand-alone mode.

Menu	Item	initial Value	Description
Music Mode	Music Mode AV	OFF	Allows music output from an mp3/audio player connected to an AV Input Source on the TV. When on, you can hear sound from the player through the TV whether there is a video signal or not. Also mutes the video so the TV does not display a picture when a guest is playing music. The TV's backlight, however, remains on.
	Music Mode Comp	OFF	To get music output from an mp3/audio player through a Component Input Source. When on, you can hear sound from the player through the TV even if there is no video signal. The TV's backlight, however, remains on. If a guest adds a video signal, video displays normally.
	Music Mode Backlight	OFF	When set to Off, the TV's backlight is turned off entirely when a guest uses the Music mode. To save energy, set to Off.
External Device	7610 Priority AV	1	Lets you set the priority of the 7610 RJP AV jack. You can choose 1, 2, or 3, with 1 being the highest and 3 the lowest. The TV automatically displays the source with the higher priority. For example, lets say AV is set to 1 and HDMI is set to 2. If a guest has attached a device to the HDMI jack, and then plugs a device into the AV jack, the TV will automatically switch to the device plugged into the AV jack (the jack with the higher priority). Note that a guest can also switch devices manually by pushing a button on the 7610 RJP.
	7610 Priority HDMI	2	Lets you set the priority of the 7610 RJP HDMI jack. You can choose 1, 2, or 3, with 1 being the highest and 3 the lowest. The TV automatically displays the source with the higher priority. See above for a more detailed explanation.
	7610 AV Option	AV1	Select RJP AV Source. (AV1/AV2)
	RJP HDMI Option	HDMI1/DVI	Select RJP HDMI Source. (HDMI1/DVI / HDMI2 / HDMI3 / HDMI4)
	HDMI Music Mode	OFF	Allows music output from an mp3/audio player connected to an HDMI Input Source. When on, you can hear sound from the player through an HDMI input of the RJP whether there is a video signal or not. (This option is only compatible with the Guest link RJP.)
	Sound Bar Out	OFF	Turn Sound Bar Out on or off. Refer to Page 34.
External Source	USB Media Mode	Defalut	When a USB device is connected to the TV: • Default : Popup window appears. • Automatic : Opens the USB contents menu automatically. • Disable : Neither the pop-up window or nor the menu appears.
	External Source Banner	ON	If set to On, the TV displays the External Source Banner (information) when you change the TV source to another external input, press the Info key, or turn the TV on. • ON : The External Source information is displayed on the TV screen. • OFF : The External Source information is not displayed on the TV screen.
	Auto Source	OFF	• ON : When an external input source is connected to the TV, the TV identifies the input source, and then automatically switches to that input source. • OFF : Auto Source function is Off.
	Anynet+ Return Source	Power On Src	Select the Return Source for Guest-Link RJP (HDMI-CEC).
Bathroom Speaker	Sub AMP mode	2	Determines the Sub AMP operation mode. • 0: Turns the Sub AMP function off (PWM off). • 1: Determines the Sub volume according to the main volume control. That is, the sub volume is determined by the Power On Volume, the Min Volume, and the Max Volume. • 2: Determines the volume according to the bathroom control panel setting.
	Sub AMP Volume	6	Sub AMP Volume level at power on initial condition.
Eco Solution	Energy Saving	Off	Adjusts the brightness of the TV to reduce power consumption. • Off: Turns off the energy saving function. • Low: Sets the TV to low energy saving mode. • Medium: Sets the TV to medium energy saving mode. • High: Sets the TV to high energy saving mode.

Menu	Item	initial Value	Description
Logo/ Message	Welcome Message	OFF	Display the Welcome Message for 5 seconds when the TV turns On.
	Edit Welcome Message		Edit the Welcome Message.
	Hospitality Logo	OFF	Turns the Hospitality logo feature on/off. Select from Off, BMP, AVI, or Both. When you select BMP, AVI, or Both, you select the file to use and turn the logo feature on. The Logo is shown during the initial turn on for the amount of time set in "Logo Display Time"
	Hospitality Logo DL	...	Downloads the Hospitality logo. Hospitality logo file requirements: • BMP or AVI files only. • Max file size : BMP - 960 X 540. AVI - 30MB. • The file can only be named samsung.bmp or samsung.avi.
	Logo Display Time	...	Hospitality Logo Display Time (3/5/7 seconds).
Cloning	Clone TV to USB		Clone the current TV option values to a USB memory device.
	Clone USB to TV		Clone the saved TV option values in a USB memory device to the TV.
	Setting Auto Initialize	OFF	If you set Setting Auto Initialize to On, and the TV's power is turned off and on, guest side menu items are restored to their cloned values. See page 31.
REACH Server	REACH Server update Time	1hour	Lets you set when data such as updated SW, cloning files, and S-LYNC REACH contents is downloaded from the REACH server to the TV : • Off : REACH data is updated on the TV only at the time you set in REACH Server Update Time. • 1hour : Every 1 hours • 2hour : Every 2 hours • 12:00 am : Every 12:00 am. • 2:00 am : Every 2:00 am. • 12:00 pm : Every 12:00 pm. • 2:00 pm : Every 2:00 pm.
	REACH Update Immediate	OFF	• ON : Whenever the TV enters standby mode (the power cord is plugged in and the power is off), the REACH data is updated on the TV. • OFF : The REACH data is only updated on the TV at the REACH server update time.
	REACH Server Channel	87	Assign a DTV channel number to carry the update REACH data. This channel number must be the same as the number set on the Reach server.
	REACH Server Version	0000	Displays the current REACH data version.
	REACH Server Group ID	All	Select the group ID of the REACH server. (Refer to the REACH server manual for more details)
	S-LYNK REACH	OFF	ON : The S-LYNK REACH menu is displayed. OFF : The S-LYNK REACH menu is not displayed.
	S-LYNK REACH Volume	ON	ON : The TV sound of the current TV source is continouly outputted even when the S-LYNK REACH menu is displayed. OFF : The TV sound of the current TV source is stopped when the S-LYNK REACH menu is displayed.
	IPG Room Type	Default	Selects the IPG room type of the REACH server. (Refer to the REACH server manual for the more information.)
	TICKER	OFF	ON : The TICKER content is displayed. OFF : The TICKER content is not displayed.
Network	Network Setup	...	Connect to a wired or wireless network and access the Internet.
	Hotel ID Setting	...	Set a Hotel ID.
	Apps Edit	...	Download, update, organize, and delete apps, Use WebBrowser or Hospitality Browser.
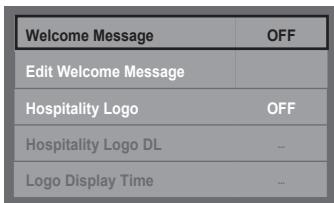
Menu	Item	initial Value	Description
Widget	Widget Mode	ON	Widget Mode ON/OFF.
	Solution Type	Vender Server	Select type of solution (Vender Server/ SINC Server).
	Server URL Setting		Set server URL.
	License Server IP Setting		Set server IP.
	IPTV Mode	...	IPTV mode On/Off.
	Virtual Standby	OFF	Virtual Standby mode On/Off. When Virtual Standby is On, TV power consumption will be 9.5W to 17.4W (Depending on ithe size of the TV screen).
	External Source Browser	ON	Source Menu On/Off.
Service	CAS	Pro:idiom	Configures CAS support. Applies to only the NB673, NB677, and NB678 models. OFF : Turns off CAS support. LYNK DRM : Select to turn on S-LYNK DRM CAS support only. Pro:idiom : Select to turn on Pro:Idim CAS support only. LYNK DRM,PI : Select to have the TV support S-LYNK DRM CAS and Pro:Idiom CAS.
	PI AES Data	0xD27B	Displays the current state of Pro:Idion AES
	Self Diagnosis for TV		Lets you check the state of the TV picture and sound. • Picture Test : Use to check for picture problems. If the problem appears in the test picture, select YES, and then follow the directions on the screen • Sound Test : Use to check for sound problems. If the problem occurs during the test, select YES, and then follow the directions on the screen
	Self Diagnosis for HTV		Lets you check the state of Pro:Idiom and its communication with the SI STB or SBB. If you have any problems with the Pro:idiom encryption channel or the communications with the SI STB or SBB, use this diagnosis function. If Pro:Idiom DTV Channel Key Loss appears to have failed and the Pro:Idim encryption channel has failed to play content, first check the broadcasting systems related to Pro:Idiom encryption. If your broadcasting system does not have a problem, contact Samsung Service. If STB SI Vendor Setting appears to have failed and communication with the SI STB or SBB has failed, first check your SI STB or SBB. If your SI STB or SBB does not have a problem, contact to Samsung Service.
	PI AES Log	OFF	Displays the state of Pro:Idiom AES operation.
	View PI AES Log	...	Display/Save Pro:idiom AES log.
	SW UPGRADE		Lets you upgrade the TV SW with a USB memory stick. Refer to page 33~34.
	Service Pattern	OFF	Lets you check the state of the TV picture by displaying picture test patterns. Press the Menu button turn off the test patterns and exit.
	ATV Cable AGC Gain	Default	Lets you control the AGC gain of the analog cable channels. Don't change the default value unless problems occur.
	DTV Open Cable AGC Gain	Default	Lets you control the AGC gain of the digital cable channels. Don't change the default value unless problems occur.
	TV Reset		Returns all settings on the TV to their factory defaults.

✎ REACH (Remote Enhanced Active Control for Hospitality) is a professional, interactive remote controller that lets you deliver TV firmware updates, cloning data, channel maping changes, S-LYNK REACH contents, and TICKER contents through RF DTV to several hundred hospitality TVs simultaneously. The REACH functions are avalible only in standalone mode. The REACH Server is sold separately. Refer to the REACH server manual enclosed with the REACH server product for more operating information.

Welcome Message

The Welcome Message feature displays a custom message on the TV every time it is turned on.
- – Welcome message settings are in the Hotel Option Menu.
- – Set Welcome Message to ON to display the message when the TV is powered on.

Welcome Message	OFF
Edit Welcome Message	
Hospitality Logo	OFF
Hospitality Logo DL	...
Logo Display Time	...

- – You can make the Welcome Message up to 25 characters long and edit it in the Hotel Service menu.
- – Welcome Message supports the following characters:

    ✎ Capital Leters from A to Z.

- – You can edit the Welcome Message by using the remote's navigation, color, and Enter buttons in the "Edit Welcome Message" OSD (See the illustration below.)
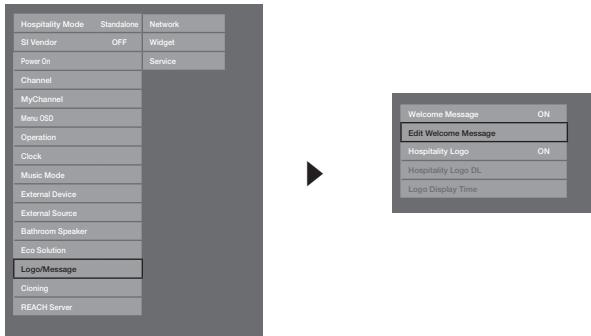
Below are the general directions for navigating and changing letters on the Edit Welcome Message screen:
- – Press the A button on the remote to move to the left in the message.
- – Press the B button to move to the right.
- – After you have selected a position in the message, use the arrow buttons on your remote to select a letter in the alphabet below the message.
- – Press Enter to place a letter into the position you selected.
- – Press the C button to erase a letter in a position or enter a blank.
- – Press Return or the D button to exit.

Hospitality Logo

The Hospitality Logo function displays the Hotel's picture image when the TV is powered on.
- – Hospitality Logo settings are the Hotel mode menus.
- – The Logo Download and Logo Display Menu items are enabled when you turn the Hospitality Logo option on.
- – If there is a logo image stored in memory and the Hospitality Logo option is on, the Hospitality logo is displayed when the TV is turned on.
- – The Hospitality logo is not displayed when the Hospitality found Logo option is off, even if the logo image has been loaded into the TV.

Hospitality Mode	Standalone	Network
SI Vendor	OFF	Widget
Power On		Service
Channel		
MyChannel		
Menu OSD		
Operation		
Clock		
Music Mode		
External Device		
External Source		
Bathroom Speaker		
Eco Solution		
Logo/Message		
Cloning		
REACH Server		

Welcome Message	ON
Edit Welcome Message	
Hospitality Logo	ON
Hospitality Logo DL	
Logo Display Time	

- • **Hospitality Logo**
  - – This option lets you choose whether the Hospitality Logo image is displayed or not.
  - – The Initial value is OFF.
  - – This Can be set to OFF or ON.
  - – When set to ON, the Logo Download and Logo Time Display menu items become accessible.

- • **Logo Download**
  - – This option lets you download the logo image to the TV's memory from a USB device.
  - – A wait message appears while the image is being copied to the TV.
  - – A "completed" message appears when the copy operation finishes successfully.
  - – The word "failed" appears if the copy operation was unsuccessful.
  - – **No USB** appears if no USB device is connected.
  - – **No File** appears if there is no file to copy on the USB device or the file is in the wrong format must be a BMP file. If No File appears and there is a logo file on the USB device, check the file format.

- • **Logo File Format**
  - – The TV supports only BMP and AVI format.
  - – The file name must be samsung.bmp or samsung.avi.
  - – The maximum resolution of the BMP format is 1280 x 720.
  - – The maximum file size for AVI format is 50MB.
  - – The TV does not change the size or scale of the image.

▍ USB Cloning

The USB Cloning function lets you download user-configured settings (**Picture, Sound, Input, Channel, Setup**, and **Hotel Setup**) from one TV to a USB device, and then upload these settings from the USB device to other TV sets. This lets you create a standard array of settings and distribute that standard array to all the TVs in your facility.

- **Cloning from TV to USB**: Copies stored menu settings from a TV to a USB device.

1. Insert a USB drive into the **USB** port on the rear of the TV.

2. Enter the hotel option menu by pressing buttons in order.
   MUTE → 1 → 1 → 9 → ENTER

3. Press the ▲ or ▼ button to select **Cl one:TV to USB**, and press the ENTER button.

4. When the message **Clone**: **TV to USB** is displayed. Press the ENTER button.

5. The TV displays one of the following messages:

   - **In Progress**: Copying data to USB.
   - **Completed**: Copy was successful.
   - **Failed**: Copy was not successful.
   - **No USB**: USB is not connected.

   The clone folder will be labeled T-MST12AKUCB.

   ✎ The cloned values include the values on the Guest side menu (brightness, picture size, contrast, etc.) and the Hotel side menu.

Cloning from USB to TV: Copies menu settings in a USB device to a TV.

✎ **Shortcut**: Turn the TV off, insert the USB device, turn the TV on, and then press the ENTER button for 5 seconds.

To clone data to the TV using the Hotel menu, follow these steps:
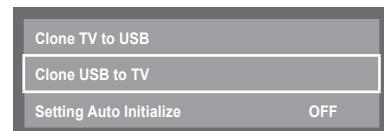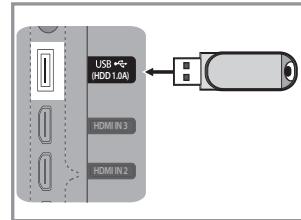
1. Turn the TV off.

2. Insert the USB drive into the USB port on the rear of the TV.

3. Turn the TV on.

4. Enter the Interactive menu by pressing these buttons in order.
   MUTE → 1 → 1 → 9 → ENTER

5. Press the ▲ or ▼ button to select "Clone USB to TV", and then press the ENTER button.

6. The message **Clone**: **USB to TV** is displayed. Press the ENTER button.

7. The TV displays one of the following messages:

   - **In Progress**: Copying data to TV.
   - **Completed**: Copy was successful.
   - **Failed**: Copy was not successful.
   - **No USB**: USB is not connected
   - **No File**: There is no file to copy on the USB device. If you get a No File message, check the folder on your USB device. The folder name should be T-MST12AKUCB.

   ✎ If you insert the USB device when the TV is on, a pop-up window may appear. If this occurs, press Exit, and then continue.

   ✎ Tables that list lthe settings that are cloned in the Interactive and Standalone Hotel Menus begin on the next page.

Clone TV to USB	
Clone USB to TV	
Setting Auto Initialize	OFF

Clone TV to USB	
Clone USB to TV	
Setting Auto Initialize	OFF

- Settings Cloned in the Hotel Menu

Menu Item	Cloning Support	Applicable Region
Hospitality Mode	Yes	All
SI Vendor	Yes	All except Brazil
Power On Channel EN	Yes	All
Power On Channel	Yes	All
Channel Type	Yes	All
Power On Volume EN	Yes	All
Power On Volume	Yes	All
Min Volume	Yes	All
Max Volume	Yes	All
Power On Source	Yes	All
Power On Option	Yes	All
Channel Setup	N/A	All except Hospital
Channel Editor	N/A	All
Channel Bank Editor	N/A	Smooovie SI and Hospital
Channel Bank Service Level	Yes	Hospital Models Only
Mixed Channel Map	Yes	EU
Dynamic SI	Yes	US and US Hsopital
Channel Rescan Message	Yes	EU and EU Hospital
Pan Euro MHEG	Yes	EU and EU Hospital
Channel Auto Store	N/A	Hospital Models Only
Mychannel En	Yes	EU and EU Hospital
Genre Editor	N/A	EU and EU Hospital
Picture Menu Lock	Yes	All
Menu Display	Yes	All
Channel Menu Display	Yes	ASIA Models only
Panel Button Lock	Yes	All
Mute On CC	Yes	US Hsopital Only
Subtitle Auto On	Yes	EU and EU Hospital
SW Clock	Yes	EU and EU Hospital
Local Time	Yes	EU and EU Hospital
Time Format	Yes	EU and EU Hospital
CLOCK Normal Dim.	Yes	EU
CLOCK Standby Dim.	Yes	EU
Music Mode AV	Yes	All
Music Mode PC	Yes	All
Music Mode Comp	Yes	All
Music Mode Backlight	Yes	All
7610 Priority AV	Yes	All
7610 Priority PC	Yes	All
7610 Priority HDMI	Yes	All
7610 AV Option	Yes	All
RJP HDMI Option	Yes	All
HDMI Music Mode	Yes	US and US Hsopital
Sound Bar Out	Yes	All
Video Out	Yes	ASIA Models only
USB Media Mode	Yes	US and EU
External Source Banner	Yes	All
Auto Source	Yes	All
Anynet+ Return Source	Yes	All Models except Hospital
Sub Amp Mode	Yes	All except US
Sub Amp Volume	Yes	All except US
Pillow Speaker Type	Yes	Hospital Models Only
Speaker Select	Yes	Hospital Models Only
Pillow Volume	Yes	Hospital Models Only
Energy Saving	Yes	All
Energy Saving Timer	Yes	EU
Welcome Message	Yes	All
Edit Welcome Message	N/A	All

Menu Item	Cloning Support	Applicable Region
Hospitality Logo	Yes	All
Hospitality Logo DL	N/A	All
Logo Display Time	Yes	All
Clone TV to USB	N/A	All
Clone USB to TV	N/A	All
Setting Auto Initialize	Yes	All
SIRCH Update Time	Yes	All except Brazil/ASIA_READY
SIRCH Update Immediate	Yes	All except Brazil/ASIA_READY
Manual SIRCH	N/A	All except Brazil/ASIA_READY
SIRCH Channel	Yes	All except Brazil/ASIA_READY
SIRCH Version	N/A	All except Brazil/ASIA_READY
SIRCH Group ID	No	US
REACH	Yes	All except Brazil/ASIA_READY
IPG Room Type	No	Guestek
CAS	Yes	US and US Hsopital
PI AES Data	N/A	US and US Hsopital
Self Diagnosis	N/A	All
PI AES Log	Yes	US and US Hsopital
View PI AES Log	N/A	US and US Hsopital
SW Upgrade	N/A	All
Service Pattern	Yes	All
ATV Cable AGC Gain	Yes	US and US Hsopital
DTV OpenCable AGC Gain	Yes	US and US Hsopital
TV Reset	N/A	All

▌ Multi Code Remocon

A Multi Code Remocon is a special remote which is designed to control multiple TV.

This is useful where there is more than one TV in a location.

You can control up to 10 TVs, each with a different ID code, with one remote. ID numbers are displayed on each TV's OSD.

The Initial ID code for each TV is "0".

- – You can set and reset the ID code in Analog TV mode or PC mode. (Not available in DTV mode.)
- – You can set the ID code to any digit from 0 to 9.
- – To set a TV's ID code, follow these steps:
  1. Aim the remote at the TV, and then press the Blue button on the remote for more than 7 seconds. The TV displays the current ID in the middle of the screen and displays the words. "Remote control code is set to x. If you want to change the Remote control code, enter the digit you want to change."
  2. Press the number on the remote you want to assign to the TV. The TV displays the following words:
     "Remote control code is changed to x."

     ✎ The TV will display the OSD until you press the Exit button.

  See the example below.

  > ⚠ **Remote control code is set to 0. If you want to change the Remote control code, enter chosen digit.**

  Example: After you see the message above, if you press 1, the TV and Remote will be set to ID code 1. The TV then displays the following message: "Remote control code is changed to 1"

  The TV can then only be controlled by a remote which has the same ID code (1).
- – If the ID code of the remote and TV do not match, the TV displays the following message:
  " TV ID x"(x is the TV's ID)
- – To reset the ID code, press the Yellow button for more than 7 seconds. The ID codes of the TV and Remote are reset to "0". "Remote control code is set to 0." appears on the TV.

Setting Auto Initialize

When you clone settings from one TV to another, you clone both the guest side menu and hotel side menu settings: Picture, Sound, Input, Channel, Setup, and Hotel Setup. This lets you set nearly all of the menu values on your hospitality TVs to the same, standard settings. If you allow guests access to the guest side menus, for example the Picture menu, they can change the settings in those menus so they are no longer standard. If you set the Setting Auto Initialize function to on the TV automatically restores (initializes) any guest-side menu values to the cloned, standard values when the TV is turned off and then turned on again. Note that Setting Auto Initialize works on cloned guest side menu values only. Settings which have not been cloned are ignored.
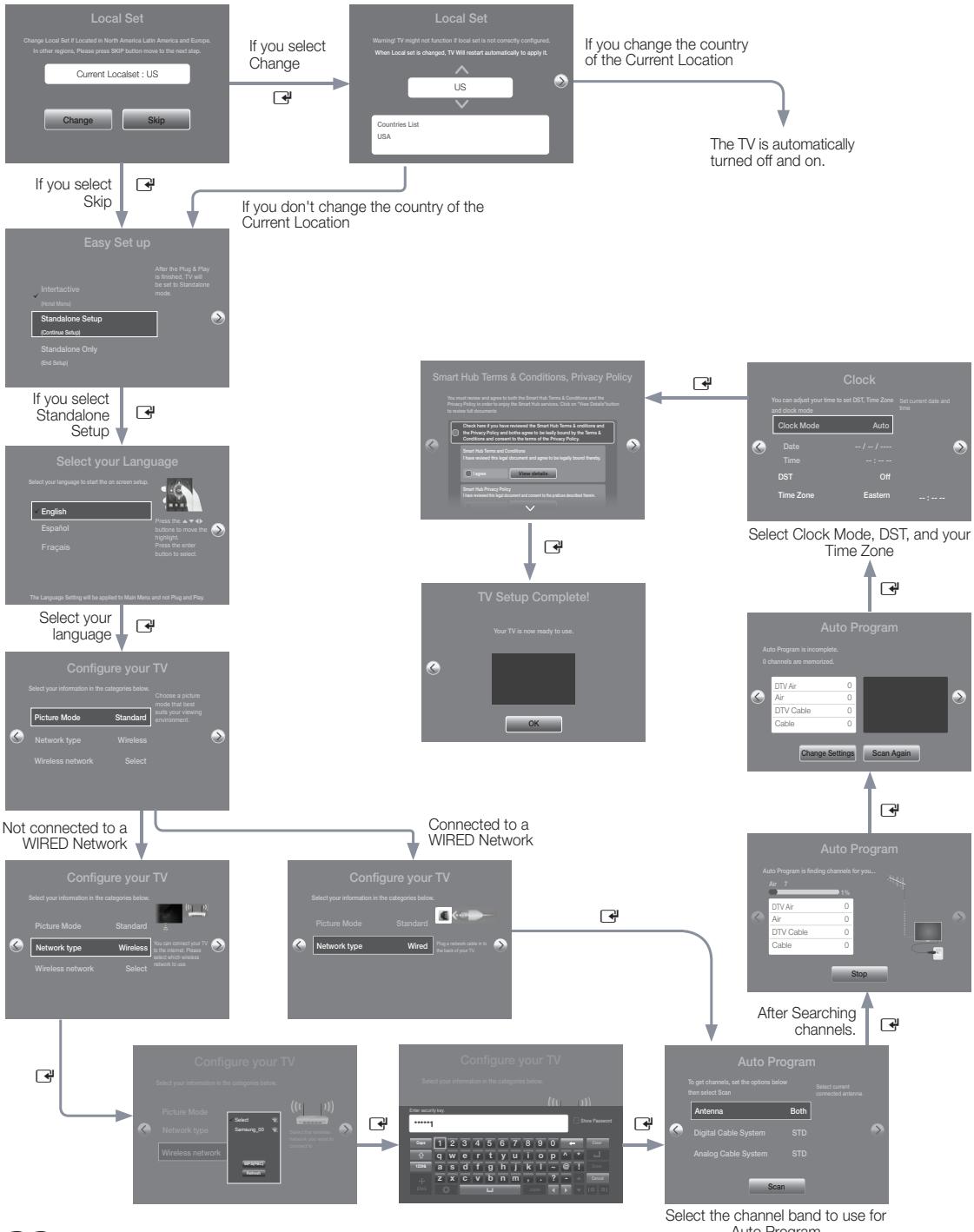
The table below lists the settings that are restored to their cloned values when you set the Setting Auto Initialize function to on.

Menu	Menu Item

Picture	Picture Mode
	Backlight
	Contrast
	Brightness
	Sharpness
	Color
	Tint(G/R)
	Picture Size
	  Picture Size
	  Position
	PIP
	
	Advanced Settings
	  Dynamic Contrast
	  Black Tone
	  Flesh Tone
	  RGB Only Mode
	  Colour Space
	  White Balance
	  10p White Balance
	  Gamma
	  Expert Pattern
	  Motion Lighting
	Picture Opitons
	  Colour Tone
	  Digital Clean View
	  MPEG Noise Filter
	  HDMI Black Level
	  Film Mode
	  Auto Motion Plus
	Picture Off
	Apply Picture Mode
	Reset Picture

Menu	Menu Item

Sound	Sound Mode
	Sound Effect
	  SRS TruSurround
	  SRS TruDialog
	  Equalizer
	Speaker Settings
	  Speaker Select
	  Auto Volume
	  SoundShare Settings
	  TV Installation Type
	Digital Audio Out
	  Audio Format
	  Audio Delay
	Reset Sound

System	Menu Language
	Time
	  Clock
	  Sleep Timer
	  Wake-up Timer
	Device Manager
	  Keyboard Settings
	  Mouse Settings
	Eco Solution
	  Energy Saving
	  Eco Sensor
	  No Signal Power Off
	  Auto Power Off
	Auto Protection Time
	Change PIN
	General
	  Game Mode
	  BD Wise
	  Menu Transparency
	  Sound Feedback
	  Boot Logo
	Anynet+ (HDMI-CEC)
	  Anynet+ (HDMI-CEC)
	  Auto Turn Off
	Divx® Video On Demand

Hotel Plug & Play

The Hotel Plug & Play function, which automatically performs the Hotel mode selection, Country Setup, Clock Setup, and Picture Mode Setup, runs once, when power is first turned ON. Setup also runs automatically after you have executed a Service Reset.

• **UI Scenario**

Local Set
Change Local Set if Located in North America Latin America and Europe. In other regions, Please press SKIP button move to the next step.

Current Localset : US

Change   Skip

If you select Change

Local Set
Warning! TV might not function if local set is not correctly configured.
When Local set is changed, TV Will restart automatically to apply it.

US

Countries List
USA

If you change the country of the Current Location

The TV is automatically turned off and on.

If you select Skip

If you don't change the country of the Current Location

Easy Set up
After the Plug & Play is finished, TV will be set to Standalone mode.

✓ Interactive
(Hotel Menu)

Standalone Setup
(Continue Setup)

Standalone Only
(End Setup)

If you select Standalone Setup

Select your Language
Select your language to start the on screen setup.

English
Español
Fraçais

Press the ▲ ▼ ◄► buttons to move the highlight.
Press the enter button to select.

The Language Setting will be applied to Main Menu and not Plug and Play.

Select your language

Configure your TV
Select your information in the categories below.

Picture Mode   Standard
Network type   Wireless
Wireless network   Select

Choose a picture mode that best suits your viewing environment.

Smart Hub Terms & Conditions, Privacy Policy
You must review and agree to both the Smart Hub Terms & Conditions and the Privacy Policy in order to enjoy the Smart Hub services. Click on "View Details" button to review full documents.

Check here if you have reviewed the Smart Hub Terms & conditions and the Privacy Policy and bothe agree to be legally bound by the Terms & Conditions and consent to the terms of the Privacy Policy.

Smart Hub Terms and Conditions
I have reviewd this legal document and agree to be legally bound thereby.

I agree   View details

Smart Hub Privacy Policy
I have reviewed this legal document and consent to the pratices described therein

TV Setup Complete!
Your TV is now ready to use.

OK

Clock
You can adjust your time to set DST, Time Zone and clock mode

Clock Mode   Auto
Date   -- / -- / ----
Time   -- : -- --
DST   Off
Time Zone   Eastern

Set current date and time

Select Clock Mode, DST, and your Time Zone

Auto Program
Auto Program is incomplete.
0 channels are memorized.

DTV Air   0
Air   0
DTV Cable   0
Cable   0

Change Settings   Scan Again

Not connected to a WIRED Network

Connected to a WIRED Network

Configure your TV
Select your information in the categories below.

Picture Mode   Standard
Network type   Wireless
Wireless network   Select

You can connect your TV to the internet. Please select which wireless network to use.

Configure your TV
Select your information in the categories below.

Picture Mode   Standard
Network type   Wired

Plug a network cable is to the back of your TV

Auto Program
Auto Program is finding channels for you...
Air   7   1%

DTV Air   0
Air   0
DTV Cable   0
Cable   0

Stop

After Searching channels.

Configure your TV
Select your information in the categories below.

Picture Mode
Network type

Select
Samsung_00

Select the wireless network you want to connect to.

Wireless network

Configure your TV
Select your information in the categories below.

Enter security key.

••••••1   Show Password

Caps 1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p
a s d f g h j k l
z x c v b n m

Auto Program
To get channels, set the options below then select Scan

Antenna   Both
Digital Cable System   STD
Analog Cable System   STD

Scan

Select current connected antenna.

Select the channel band to use for Auto Program

- **Hotel Plug & Play OSD**
  - Initially highlighted: Interactive
  - If you select the Standalone Only button, the Standalone hotel mode is set by default and the "Standalone mode is set" OSD appears for 3 seconds.
  - TV enters into RF mode automatically after displaying the "Standalone mode is set" OSD for 3 seconds.
  - If you select the Interactive mode, the Interactive Setup Menu is displayed. Press the power off key to exit from the Interactive menu.
  - If you select the Standalone Plug & Play mode, the "Select Menu Language" OSD appears.

- **LocalSet**
  - Initiallly highlighted: US
  - If you press the Enter key after selecting Change, you can change the country.
    If the country is changed, the TV automatically turns off and on.
  - If you select the Interactive mode, the Interactive Setup Menu is displayed. Press the power off key to exit from the Interactive menu.
  - If you select the incorrect country, execute TV Reset again after entering the Service section of the Hotel Menu.

- **Select Menu Language OSD**
  - If you select Standalone from the "Select Hotel TV Mode" OSD, the "Select Menu Language" OSD appears.
  - Initially highlighted: English
  - Display time: OSD timeout and operation are the same as Samsung's consumer TV models.
  - If you press the Enter key, the "Select Country" OSD appears

- **Picture Mode OSD**
  - Initially highlighted: Standard.
  - The TV displays the Picture Mode OSD where you can choose the Dynamic or a Standard Picture mode.
  - After you select the picture mode, the TV displays the Standalone Setup Menu OSD. Press power off to exit.

- **Auto Search Mode OSD**
  - If you select the Skip option, the TV displays the Clock Mode OSD.
  - If you press the Enter key, the TV auto searches for channels.
  - The OSD Display time, which starts at the time that Auto Store is completed and goes to the time Auto Sort starts, is 30 seconds.

- **Set Clock Mode, DST (Daylight saving time), and Time Zone OSD**
  - Initially highlighted:
    Clock Mode : Auto, DST : Off, Time Zone : Eastern
  - If the TV will be tuned to digital broadcast channels, and these channels transmit date and time information, set the Clock Mode to Auto. The TV will set the date and time automatically.
  - If the TV will not be tuned to digital broadcast channels, set the Clock Mode to Manual, and then set the date and time on the TV manually.
  - Set DST On or Off to apply or not apply daylight saving time to the TV.
  - Select your time zone on the map that appears.

USB Software Upgrade Method

Samsung may offer upgrades to the TV's software (SW) in the future. Please contact the Samsung Hospitality Hotline at 1-866-894-0524 to receive information about downloading upgrades and using a USB drive to update the SW by connecting the USB drive containing the upgrade to the USB port located on the TV.
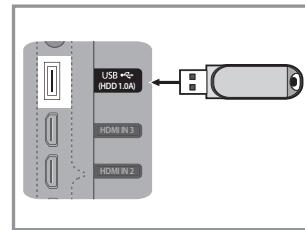
When the software is upgraded, video and audio settings you have made will return to their default (factory) settings. We recommend you clone the hotel settings so that you can easily reset them after the upgrade.

To upgrade the TV's software, follow these steps:

1. Insert a USB drive containing the SW upgrade into the **USB** port on the side of the TV.

2. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select **Support**, and then press the **ENTER** button.

3. Press the ▲ or ▼ button to select **SW Upgrade**, and then press the **ENTER** button. The message **"Scanning for USB. This may take more than 1min."** is displayed.

4. The message **"Upgrade version XXXX to version XXXX? The system will be reset after upgrade."** is displayed.
   Press the ◄ or ► to select the **OK**, and then press the **ENTER** button.

Please be careful to not disconnect the power or remove the USB drive while upgrades are being applied. The TV will turn off and turn on automatically after completing the SW upgrade. Please check the SW version after the upgrades are complete.

Sound Bar

● **Samsung Sound-Bars and Hospitality TVs in 2013**
  – Samsung Sound-Bars and hospitality TVs support the ARC feature in HDMI 1.4. If you connect a compatible Samsung Sound-Bar to a compatible Samsung hospitality TV using a single HDMI cable, guests can listen to the TV's sound through the Sound-Bar.
  – Models supporting the ARC function are listed below:
    ● Sound-Bars: HW-F350/F3553/FM35/F450/FM45/FM45C/F550/F551/FM55/FM55C/F750/F751

● **Setting the Sound-Bars to Hotel Mode.**
  1. Set the following Hotel menu options:
     – Hotel option > External Device > Sound Bar Out = On.
     – Hotel option > Power On > Power On Volume EN = User Defined.
     – Hotel option > Power On > Power On Volume > Set greater than 0.
     – Hotel option > Power On > Max Volume > Set greater than 0.

  2. Connect an HDMI cable from the HDMI OUT jack on the back of Sound-Bar to the HDMI4 port (supporting ARC) on the hospitality TV.

  3. After the Sound-Bar is connected to the hospitality TV, when the TV turns on, the Sound-Bar automatically detects the TV, and then automatically switches to Hotel Mode.

  Sound Bar Hotel mode functional characteristics:
     ● Power On/Off is synchronized with the TV
     ● HDMI_CEC defaults to On
     ● Functions through the "HDMI OUT" port only
     ● Disables the "Input mode" key on the VFD to prevent unexpected audio-source changes.
     ● Acquires adjustable Power On and Max Volume settings from the TV's Hotel option menu. The Sound-Bar's Power On Volume and Max Volume values, however, are ½ of the Power On Volume and Max Volume settings in the TV's Hotel option menu. Example: If the TV's Power On Volume=20 and Max Volume=90, then the Sound Bar's Power On Volume=10 and Max Volume=45.

  Change PIN
  The **Change PIN** screen will appear. Choose any 4 digits for your PIN and enter them in the **Enter New PIN** fields. Re-enter the same 4 digits in the **Confirm New PIN** fields. When the Confirm screen disappears, select **Close**. The TV has memorized your new PIN.

  ▪ **How to watch a restricted program or movie**
  If the TV is tuned to a restricted program or movie, the Program Rating Lock will block it. The screen will go blank and a popup message appears. Enter the PIN to unblock the program or movie using your remote.
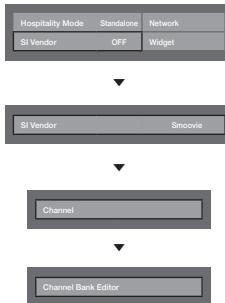
  ✎ If you forget the PIN code, press the remote control buttons in the following sequence in Standby mode:
    MUTE🔇 → **8** → **2** → **4** → ⏻ (power on). This resets the PIN to "0- 0-0-0".

Channel Bank Editor (Smoovie TV Only)

The Channel Bank Editor in conjunction with the SMOOVIE remote lets you control the channels guests have access to. The Channel Bank Editor provides three Banks of channels and lets you select which channels will be available from each bank. SMOOVIE remotes have installable Bank Cards which correspond to the channel banks in the Channel Bank Editor. The remotes only allow access to channels in the channel bank that correspond to the installed card. Consequently, the channels a guest can access depend on the Bank Card installed in their SMOOVIE remote.

Setting the CH Bank Editor under Stand-alone Mode

1. Press **MUTE**+1+1+9+Enter on the remote to enter the Hotel Standalone menu.
2. Please select SI vendor : "**Smoovie**"
3. Find the new menu option, "**Channel Bank Editor**".
4. Enter the "**Channel Bank Editor**".

| Hospitality Mode | Standalone | Network |
| SI Vendor | OFF | Widget |

▼

| SI Vendor | Smoovie |

▼

| Channel |

▼

| Channel Bank Editor |

- ▪ <Depending on model and region, some menu items may not exist>

5. Edit the Channel Bank. An example is below.
   a. Bank1 (Free channel): Select the channels that will be accessible when a remote doesn't have a card.
   b. Bank2 (Family Card - Green): Select the channels that will be accessible when a remote has a GREEN CARD.
   c. Bank3 (Adult Card - Red): Select the channels that will be accessible when a remote has a RED CARD.

Channel Bank Edit

Registered	Bank1 (4)	Bank2 (6)	Bank3 (36)
All	☐	☐	☑
1 ABC	☑	☑	☑
2 CBS	☑	☑	☑
3 FOX	☐	☑	☑
4 NBX	☐	☑	☑
5 CNN	☐	☑	☑
6 CW	☐	☑	☑
7 HBO	☐	☐	☑
8 TNT	☐	☐	☑

▣ Select All Items on Column   ▣ Deselect All Items on Column   ☑ Select/Deselect   ↻ Return

Information About SMOOVIE Remote Controls

- If you select SMOOVIE as the SI vendor, you should also use SMOOVIE remotes in your facility.
- Guests with remotes that do not have a card can only view channels from Bank 1.
- Guests using the Numeric keys on the remote to change channels can only view channels from Bank 1.
- Guests with remotes that have Green or Red cards must use the channel up/down keys to change channels.
- Guests can only see channels from the Bank1 channel list In the Channel Guide or the Channel List,
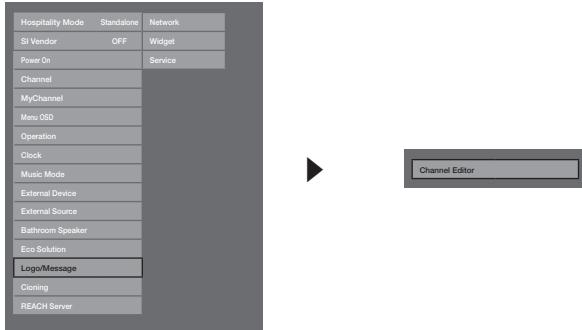
Step	Smoovie TV Setup (Air/ Cable)	
	Only Air or Cable used	Only Air or Cable used
	If the TV starts with Hotel Plug&Play	If Hotel Plug&Play already done
1	Do a complete P&P (including Air or Cable auto tune)	Enter the Hotel menu
2	After P&P, the TV displays the Hotel menu	Select the channel type - ATV or ADTV for Air - CATV or CDTV for cable
3	Select the channel type - ATV or ADTV for Air - CATV or CDTV for cable	Select Smoovie TV in the Hotel menu
4	Select Smoovie TV in the Hotel menu	Select Channel Setup
5	Select Channel Setup (Can be skipped)	Select "Air" or "Cable" to auto tune
6	Select "Air" or "Cable" to auto tune. (Can be skipped,)	Set up channels in the CH Bank Editor
7	Set up channels in the CH Bank Editor	After power off & on, guests can use the TV
8	After power off & on, guests can use the TV	
9		
10		

Channel Editor

The Channel Editor lets you edit the channels stored in the TV's memory. Using Channel Editor you can:

– Change the channel numbers and names, and sort the channels in your desired channel number order.
– Apply the video mute to channels you select. The vido mute blanks out the video from a channel and outputs only the sound while displaying a speaker icon on the screen.
   The Channel Editor also lets you view information about each channel easily, without your having to display each channel directly.


▪ <Depending on model and region, some menu items may not exist.>
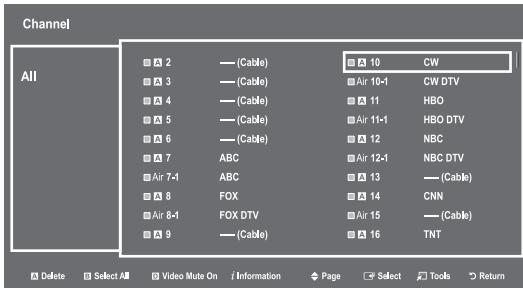
General Steps for Using the Channel Editor in Stand-alone Mode

Step	Broad Outline
1	Run 'Channel Auto Store' in the Hotel Option Menu.
2	Enter 'Channel Editor' in the Hotel Option Menu.
3	On a piece of paper, compile a list of channels you want to have, arranged in the order you want.
4	Rearrange channels and edit channel names with the TOOLS Button based on the list you compiled.
5	Press the EXIT or RETURN Button to exit.
	<For a detailed explanation of how Channel Editor works, see pages 34 through 36.>

The picture below shows a sample Channel Editor screen.
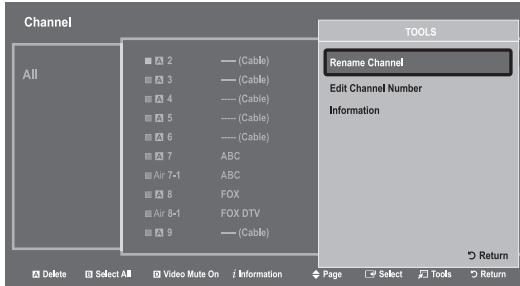

- ◼ Indicates an analog channel.
- Channels without an ◼ are digital channels.
- The guide at the bottom of the Channel Editor menu displays the remote buttons you need to press to apply Channel Editor functions.

❶ Using the remote's up or down arrow key, highlight the channel that you want edit.
    – To edit more than one channel, move the highlight to a channel, and then press the **ENTER**◨ key. A check will appear in the check box next to the channel. Repeat for each channel you want to edit.

❷ To delete the channel or channels you selected from the channel list, press the red button on the remote.
    – To delete two or more channels simultaneously, selecte multiple channels in Step 1, and then press the red button on the remote.

❸ Press the green button on the remote to select all channels.

❹ To apply the video mute, press the yellow button on the remote.
    – To apply the video mute to two or more channels simultaneously, selecte multiple channels in Step 1, and then press the yellow button on the remote.

❺ To view information about a channel, including video mute set up, press the **INFO** button on the remote.

❻ Press the **TOOLS** button on the remote to rename a channel or change the channel number. See page 35.

Channel Editor Functions and Remote Buttons

◼ Red (**Delete**): Deletes a channel from the channel list.

◼ Green (**Select All**): Selects all channels at once.

◼ Yellow (**Deselect All**): Deselects all channels at once.

◼ Blue (**Video Mute On/Off**): Turns the Video Mute On/Off.

◆ (**Page**): Moves to next or previous page.

𝑖 (**Information**): Display details of the selected program.

▤ (**Tools**): Displays the option menu.

↩ (**Return**): Returns to the previous step or exits.

When you press the **TOOLS** button, the following menu is available.

```
Channel                                          TOOLS
        ■ A 2        ---- (Cable)    Rename Channel
 All    ■ A 3        ---- (Cable)
        ■ A 4        ---- (Cable)    Edit Channel Number
        ■ A 5        ---- (Cable)    Information
        ■ A 6        ---- (Cable)
        ■ A 7        ABC
        ■ Air 7-1    ABC
        ■ A 8        FOX
        ■ Air 8-1    FOX DTV
        ■ A 9        ---- (Cable)
                                                  ↩ Return
A Delete   B Select All   C Video Mute On   i Information   ↕ Page   ⏎ Select   ♫ Tools   ↩ Return
```

Edit Channel Number

Use Edit Channel Number to change the channel number of a channel you select.

To change a channel number, follow these steps:

1. Select a channel on the Channel Edit screen.

2. Press the Tools button on your remote.

3. Select Edit Channel Number in the Tools menu.

4. Use the up or down arrow keys to change the channel number.

5. Select **OK** when done, and then press the Enter button.

✎ When you change the channel number, the channel information is not updated automatically.

Rename Channel

Use Rename Channel to change the name of a channel you select.

To change the name of a channel, follow these steps:

1. Select a channel on the Channel Edit screen.

2. Press the Tools button on your remote.

3. Select Rename Channel in the Tools menu.

4. Use the on-screen keyboard that appears to enter the new name for the channel. Use the arrow buttons on your remote to select a letter or number, and then press Enter. Repeat for each letter or number you want to select.

5. When finished, select Done on the bottom of the screen, and then press the Enter button.
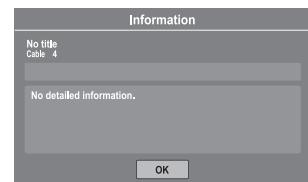
Information

Use Information to view information about a channel you select.

To view information about a channel, follow these steps:
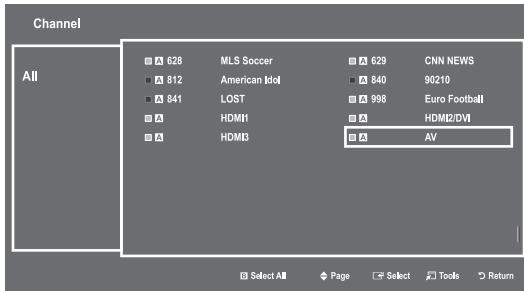
1. Select a channel on the Channel Edit screen.

2. Press the Tools button on your remote.

3. Select Information in the Tools menu.

**4.** Select **OK**, and then press the Enter button to close the Information screen.
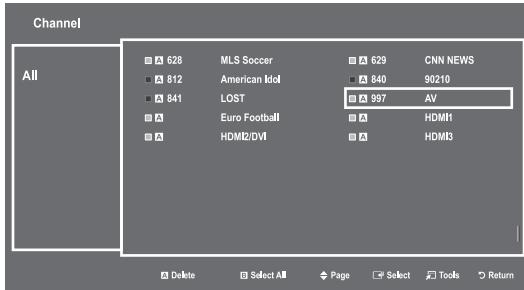
The external sources of this TV are displayed in the last page of the Channel Editor menu as shown in the example below.

In the example, there are two external sources connected to the TV, **HDMI2(DVI)** and **AV**.

– You can assign a new analog channel to an external source by selecting the source on the last page, pressing the Tools button, selecting Edit Channel Number, and then using the up or down arrow button on the remote to select the channel number of the analog channel.
– If you tune to a channel after assigning the channel to an external source, you can enter the external source without opening the TV source menu.

After assigning channel number 997 to the AV source.
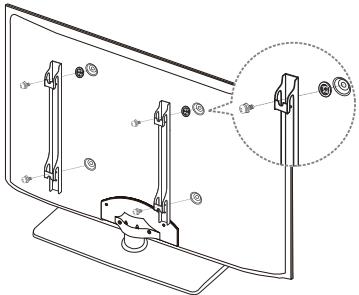
Preparing befor installing Wall-Mount

(for 46", 50" models)

To install a wall-mount from another manufacturer, user the Holder-Ring.

✎ The Product shape may differ depending on the model.

Installing the Wall Mount Kit

The wall mount kit (sold separately) allows you to mount the TV on a wall.

For detailed information on installing the wall mount, see the instructions provided with the wall mount. Contact a technician for assistance when installing the wall mount bracket. Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you select to install the TV on your own.

Securing the TV to the Wall

⚠ **Caution:** Pulling, pushing, or climbing on the TV may cause the TV to fall. In particular, ensure your children do not hang on or destabilize the TV. Doing so may cause the TV to tip over, causing serious injuries or death. Follow all safety precautions provided in the Safety Flyer included with your TV. For added stability and safety, you can purchase and install the anti-fall device as described below.

To Prevent the TV from Falling

✎ TV Holder Kits are sold separately. To purchase a TV Holder Kit, contact Samsung Customer Care.

1. Insert the screws into the wall brackets and firmly fasten them to the wall. Make sure the screws are firmly fixed to the wall.

✎ We strongly recommend you drive the screws into a stud.

2. Insert the screws into the wall brackets and firmly fasten the screws to the top VESA screw holes on theback of the TV.

3. Connect the brackets on the TV and the brackets on the wall with a strong string or cable, and then tie the string or cable tighrly to the brackets.

✎ Verify all connections are properly secured. Periodically check the connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professional installer.

✎ Install the TV close to the wall so that it does not fall.

✎ Connect the string or cable so that the brackets on the wall are at the same height or lower than the brackets on the TV. Untie the string or cable before moving the TV.

**Wall Mount Kit Specifications (VESA)**
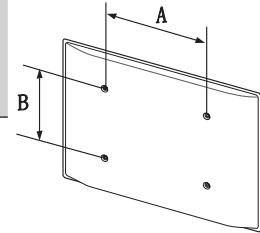
✎ The wall mount kit is not supplied, but sold separately.

Install your wall mount on a solid wall perpendicular to the floor. If you are attaching the wall mount to building materials other than plaster board, contact your nearest dealer. If installed on a ceiling or slanted wall, the TV may fall and cause severe personal injury.

✎ **NOTE**

- Standard dimensions for wall mount kits are shown in the table below.
- Samsung wall mount kits contain a detailed installation manual. All parts necessary for assembly are provided.
- Do not use screws that do not comply with the VESA standard screw specifications.
- Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
- Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- Do not mount the TV at more than a 15 degree tilt.
- Always have two people mount the TV onto a wall.

Product Family	TV size in inches	VESA screw hole specs (A * B) in millimeters	Standard Screw (Length* Pitch in mm)	Quantity
LED-TV	32~40	200 X 200	M8	4
	46~55	400 X 400		

⚠ Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

Anti-theft Kensington Lock

The Kensington Lock is a device you can use to physically fix a TV to a location when you use it in a public place. The appearance and locking method may differ from the illustration at right, depending on the manufacturer. Refer to the manual provided with the Kensington Lock for additional information on proper use.

<Optional>

The Kensington Lock is not supplied by Samsung.

✎ Please find the "⬚" icon on the rear of the TV. A Kensington slot is beside the "⬚" icon.
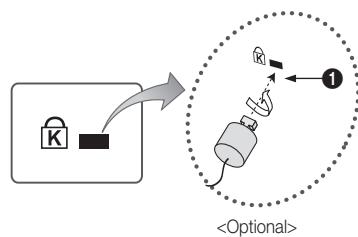
To lock the product, follow these steps:

1. Wrap the Kensington lock cable around a large, stationary object such as desk or chair.

2. Slide the end of the cable with the lock attached through the looped end of the Kensington lock cable.

3. Insert the locking device into the Kensington slot on the product ❶.

4. Lock the lock.

✎ These are general instructions. For exact instructions, see the User manual supplied with the locking device.

✎ The locking device has to be purchased separately.

✎ The location of the Kensington slot may be different depending on the TV model.

Specifications

Display Resolution	1920 x 1080	
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	50°F to 104°F (10°C to 40°C) 10% to 80%, non-condensing -4°F to 113°F (-20°C to 45°C) 5% to 95%, non-condensing	
Stand Swivel (Left / Right)	-20˚ ~ 20˚	
Model Name	HG32NB690	HG40NB690
Screen Size (Diagonal)	32" Class (31.5" measured diagonally)	40" Class (40.0" measured diagonally)
Sound (Output)	10W x 2	
Dimensions (WxDxH) Body With stand	29.3 x 1.9 x 17.4 inches (743.8 x 49.5 x 441.7 mm) 29.3 x 7.5 x 19.9 inches (743.8 x 191.7 x 504.5 mm)	36.5 x 1.9 x 21.4 inches (928.2 x 49.6 x 543.8 mm) 36.5 x 9 x 24.1 inches (928.2 x 227.7 x 612.0 mm)
Weight Without Stand With Stand	12.3 lb (5.6 kg) 15.9 lb (7.2 kg)	20.5 lb (9.3 Kg) 26.8 lb (12.2 Kg)
Model Name	HG46NB690	HG55NB690
Screen Size (Diagonal)	46" Class (45.9" measured diagonally)	55˝ Class (54.6˝ measured diagonally)
Sound (Output)	10W x 2	
Dimensions (WxDxH) Body With stand	41.7 x 1.9 x 24.3 inches (1059.8 x 49.6 x 617.7 mm) 41.7 x 9 x 27 inches (1059.8 x 227.7 x 686.2 mm)	49.2 x 1.9 x 28.5 inches (1250.4 x 48.8 x 724.6 mm) 49.2 x 9 x 31.2 inches (1250.4 x 227.7 x 793.7 mm)
Weight Without Stand With Stand	26.0 lb (11.8 Kg) 32.4 lb (14.7 Kg)	37.9 lb (17.2 Kg) 44.3 lb (20.1 Kg)

✎ Design and specifications are subject to change without prior notice.

✎ This device is a Class B digital apparatus.

✎ For power supply and power consumption information, refer to the label attached to the product.

Display Resolution

When you use your TV as a computer monitor, you can also select one of the standard resolutions listed in the Resolution column. The TV will automatically adjust to the resolution you choose.

| Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)
IBM	640 x 350	31.469	70.086	25.175	+/-
	720 x 400	31.469	70.087	28.322	-/+
MAC	640 x 480	35.000	66.667	30.240	-/-
	832 x 624	49.726	74.551	57.284	-/-
	1152 x 870	68.681	75.062	100.000	-/-
VESA DMT	640 x 480	31.469	59.940	25.175	-/-
	640 x 480	37.861	72.809	31.500	-/-
	640 x 480	37.500	75.000	31.500	-/-
	800 x 600	37.879	60.317	40.000	+/+
	800 x 600	48.077	72.188	50.000	+/+
	800 x 600	46.875	75.000	49.500	+/+
	1024 x 768	48.363	60.004	65.000	-/-
	1024 x 768	56.476	70.069	75.000	-/-
	1024 x 768	60.023	75.029	78.750	+/+
	1152 x 864	67.500	75.000	108.000	+/+
	1280 x 720	45.000	60.000	74.250	+/+
	1280 x 800	49.702	59.810	83.500	-/+
	1280 x 1024	63.981	60.020	108.000	+/+
	1280 x 1024	79.976	75.025	135.000	+/+
	1366 x 768	47.712	59.790	85.500	+/+
	1440 x 900	55.935	59.887	106.500	-/+
	1600 x 900RB	60.000	60.000	108.000	+/+
	1680 x 1050	65.290	59.954	146.250	-/+
	1920 x 1080	67.500	60.000	148.500	+/+
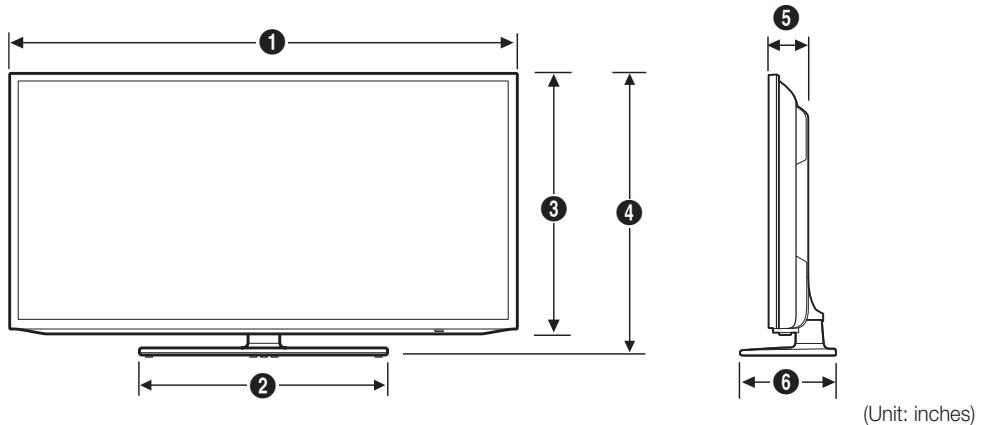
✎ NOTE

- The interlaced mode is not supported.
- The set might operate abnormally if you select a non-standard video format.
- Separate and Composite modes are supported. SOG (Sync On Green) is not supported.
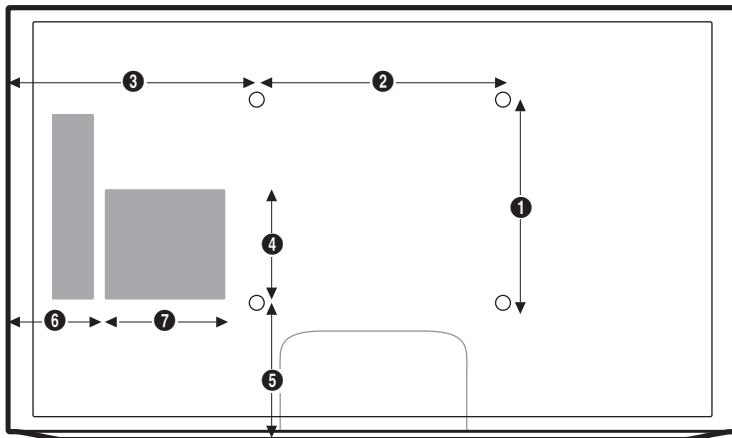
HG32NB690 / HG40NB690 / HG46NB690 / HG55NB690

- Front view / Side view

(Unit: inches)

	❶	❷	❸	❹	❺	❻
HG32NB690	29.0	16.5	17.2	19.8	1.9	6.2
HG40NB690	36.5	20.3	21.4	24.0	1.9	8.9
HG46NB690	41.7	20.3	24.3	27.0	1.9	8.9
HG55NB690	44.7	20.3	25.9	31.2	1.9	8.9

- Jack panel detail / Rear view
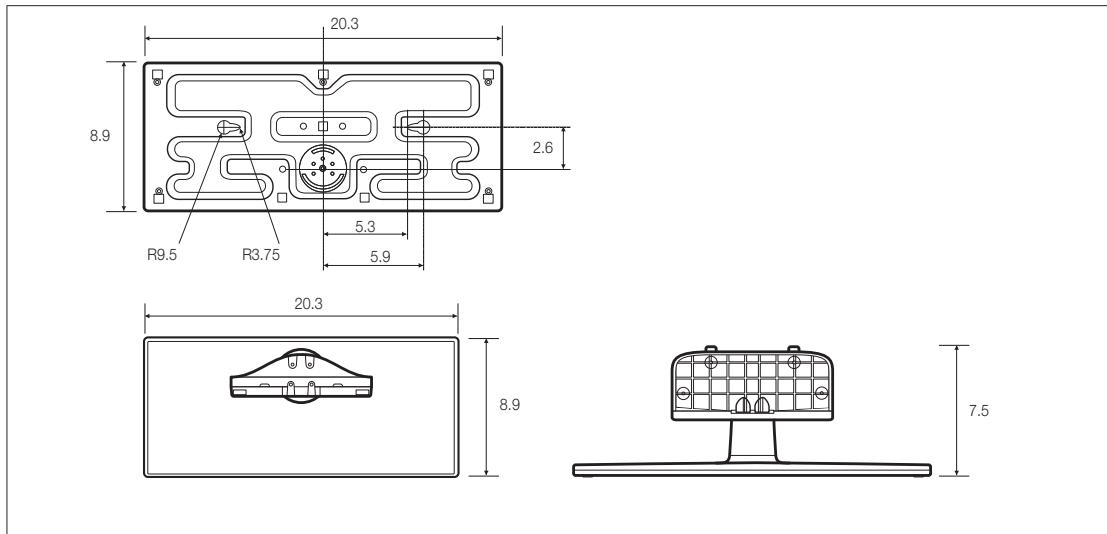
	❶	❷	❸	❹	❺	❻	❼
HG32NB690	7.8	7.8	10.5	5.1	4.1	4.8	5.0
HG40NB690	7.8	7.8	14.3	5.1	6.1	6.9	5.0
HG46NB690	15.7	15.7	12.9	5.1	6.9	6.5	5.0
HG55NB690	15.7	15.7	16.7	5.3	9.6	9.3	5.1

▪ **Base Stand detail**

HG32NB690 / HG40NB690 / HG46NB690 / HG55NB690

(Unit: inches)

NOTE: All drawings are not necessarily to scale. Some dimensions are subject to change without prior notice. Refer to the dimensions prior to performing installation of your TV. Not responsible for typographical or printed errors.

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Important Warranty Information Regarding Television Format Viewing

✎ See the warranty card for more information on warranty terms.

Wide screen format LED Displays (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark sidebars on nonexpanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of LED Displays that leave subtle, but permanent burned-in ghost images in the LED picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On LED models that offer picture sizing features, use these controls to view different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven LED aging as a result of format selection and use, as well as burned-in images, are not covered by your Samsung limited warranty.

- SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY STATEMENT
  Subject to the requirements, conditions, exclusions and limitations of the original Limited Warranty supplied with Samsung Electronics (SAMSUNG) products, and the requirements, conditions, exclusions and limitations contained herein, SAMSUNG will additionally provide Warranty Repair Service in the United States on SAMSUNG products purchased in Canada, and in Canada on SAMSUNG products purchased in the United States, for the warranty period originally specified, and to the Original Purchaser only.

  The above described warranty repairs must be performed by a SAMSUNG Authorized Service Center. Along with this Statement, the Original Limited Warranty Statement and a dated Bill of Sale as Proof of Purchase must be presented to the Service Center. Transportation to and from the Service Center is the responsibility of the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered in normal use of the product.

  Excluded, but not limited to, are any originally specified provisions for, in-home or on-site services, minimum or maximum repair times, exchanges or replacements, accessories, options, upgrades, or consumables.

  For the location of a SAMSUNG Authorized Service Center, please call toll-free:

  – In the United States : 1-866-894-0524

  – In Canada : 1-800-213-8513

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